



**TRANSPORTATION ADVISORY COMMITTEE
AGENDA
CITY OF BILLINGS AND
YELLOWSTONE COUNTY, MONTANA**



**FEBRUARY 8, 2024 MEETING TIME: 10:30 a.m.
The Miller Building 1st Floor Conference Room
2825 3rd Avenue North
Billings, Montana 59101**

NOTICE TO THE PUBLIC

Citizens are invited to:

- Review the Agenda Packet on the City's website at: <https://ci.billings.mt.us/117/Agendas-Minutes>
- View the meeting live online at Facebook: <https://tinyurl.com/yckr478k>

Public comment will be taken only during the Public Comment periods as indicated on the agenda and during the Public Hearings, if any are scheduled, under the Regular agenda. Comments may be sent to Board via email before 10:00 AM on the meeting date. All emails received prior to this time will be read into the record for the public hearing. Comments may be submitted by:

- Mail: City/County Planning Division, 2825 3rd Ave N 4th Floor, Billings, MT 59101
 - Brenda Berns Email: bernsb@billingsmt.gov
- Call in during the Public Comment periods as indicated on the agenda:
 - Citizens may call in during specific Public Comment periods at **406.237.6165**.
All callers will be placed in a queued system and are asked to remain on hold and be patient. Calls will be taken in the order in which they are received. Callers will be limited to 3 minutes of testimony as is customary. Future delivery methods may be explored as best practice is learned.

Please direct questions to Brenda Berns, Planning Clerk at bernsb@billingsmt.gov or 406-247-8610. Thank you!

- 1. Call to Order: Lora Mattox, Transportation Planning Coordinator**
 - a. Comments on items not on the agenda and requests to add items to future agendas.**
 - b. Comments on items non-public and public hearing agenda items.**
- 3. Approval of the minutes**
 - a. Minutes of October 18, 2023**
- 4. Old Business**
- 5. New Business**
 - a. 2024-2028 Transportation Improvement Plan (TIP)**
- 6. Other Business**
 - a. Montana Green House Gas Performance Measures (GHG) Presentation**
 - b. Update. Discussion. MET Transit. Rusty Logan, MET Transit Manager**
- 7. Future Agenda Items**
- 8. Adjournment**

Transportation Advisory Committee (TAC)

3. a.

Meeting Date: 02/08/2024

Subject

Minutes of October 18, 2023

Attachments

Minutes of October 18, 2023



**TECHNICAL ADVISORY COMMITTEE AGENDA
CITY OF BILLINGS AND
YELLOWSTONE COUNTY
October 18, 2023
MEETING TIME: 2:00 PM**



The Miller Building 1ST Floor Conference
Room 2825 3rd Avenue North
Billings, Montana 59101

NOTICE TO THE PUBLIC

Citizens are invited to:

- Review the Agenda Packet on the City's website at: <https://ci.billings.mt.us/117/Agendas-Minutes>
- View the meeting live online at Facebook: <https://tinyurl.com/yckr478k>

Public comment will be taken only during the Public Comment periods as indicated on the agenda and during the Public Hearings, if any are scheduled, under the Regular agenda. Comments may be sent to Board via email before 10:00 AM on the meeting date. All emails received prior to this time will be read into the record for the public hearing. Comments may be submitted by:

- Mail: City/County Planning Division, 2825 3rd Ave N 4th Floor, Billings, MT 59101
 - Email: bernsb@billingsmt.gov
- Call in during the Public Comment periods as indicated on the agenda:
 - Citizens may call in during specific Public Comment periods at 406.237.6165.
All callers will be placed in a queued system and are asked to remain on hold and be patient. Calls will be taken in the order in which they are received. Callers will be limited to 3 minutes of testimony as is customary. Future delivery methods may be explored as best practice is learned.

Please direct questions to the Planning Division at 406-247-8676. Thank you!

1. **Call to Order:** Lora Mattox, Transportation Planning Coordinator
 - a. Comments on items not on the agenda and requests to add items to future agendas.
2. **Approval of the minutes:** July 13, 2023
3. **Old Business:** There is no Old Business.
4. **New Business**
 - a. MPO Boundary Map Amendment. Lora Mattox, Transportation Planner, presenting.
5. **Other Business**
 - a. Update. Discussion. MET Transit. Rusty Logan, MET Transit Manager
6. **Future Agenda Items**
7. Adjournment



**Billings Transportation Advisory Committee
 October 18, 2023 at 2:00PM
 Approved Meeting Minutes**

Committee Members			
Lora Mattox, Transportation Planning Coordinator, T.A.C.	1	Wyeth Friday, Director, Planning and Community Services	V
Tim Miller, Director YC Public Works Dept.	1	Mike Black, Civil Engineer, YC Public Works Dept.	1
Debi Meling, Public Works Director, City of Billings Engineering	1	Mac Fogelsong, City Engineer, City PW Engineering,	A
Rusty Logan, MET Transit Manger	1	Sarah Graham, MET Transit Planner	1
Samantha Woods, Urban Planning Section, MDT	V	Clark Snyder, Environmental Health RiverStone Health	V
Kenn Winegar, Urban Planning Section, MDT	A	Carol Strizich, Supervisor Urban Planning Section, MDT	A
Kurtis Schnieber, MDT	A	Carolyn Miller, FHWA	A
Zach Kirkemo, MDT	V	Ryan Hammon, FHWA	A
		Katie Potts, FHWA	V

Participating Virtually: Wyeth Friday, Planning & Community Services Director; Samantha Woods, Urban Planning MDT; Katie Potts, FHWA; Clark Snyder, Riverstone Health; Zach Kirkemo, MDT.

In Attendance: Lora Mattox Transportation Planning Coordinator, Debi Meling, PW Director; Rusty Logan, MET Transit Manager; Sarah Graham, MET Transit Planner; Mike Black, YCPW; Tim Miller, YCPW Director; Brenda Berns, Planning Clerk.

1. **Call the meeting to order:** Lora Mattox, Transportation Planning Coordinator called the meeting to order at 2:00pm in the Miller Building 1st Floor Conference Room, 2825 3rd Ave North.
 - a. Comments on items not on the agenda and requests to add items to future agendas. *There were no comments on items not on the agenda or requests for future agenda items.*
 - b. Comments on items non-public and public hearing agenda items. *There were no comments on non-public or public hearing agenda items.*

2. Motion. Approval of Minutes: July 13, 2023

Rusty Logan made a motion, seconded by Mike Black to approve the minutes of July 13, 2023, as submitted. The motion was carried with a unanimous voice vote.

3. Old Business: There is no Old Business.

4. New Business:

a.MPO Boundary Map Amendment, Lora Mattox Transportation Planner presenting.

Lora provided an overview of the request to amend the MPO Boundary based on 2020 Census information on Urban Areas and Federal Highway Administration requirements.

Background

- Census Bureau dictates requirements for Urban Area, urban areas are reviewed after the decennial census data is available.
- Reasonable distance from a large traffic generator land use: Industrial, commercial, retail.
- Must not affect the state highway system.

The Billings Metropolitan Planning Organization (MPO) is tasked with coordinating transportation planning within the Billings metropolitan area. Its responsibilities encompass long-term transportation planning, allocation of funding, and ensuring that transportation projects align with regional goals and objectives. The MPO's planning boundary defines the specific geographic area over which it exercises planning authority.

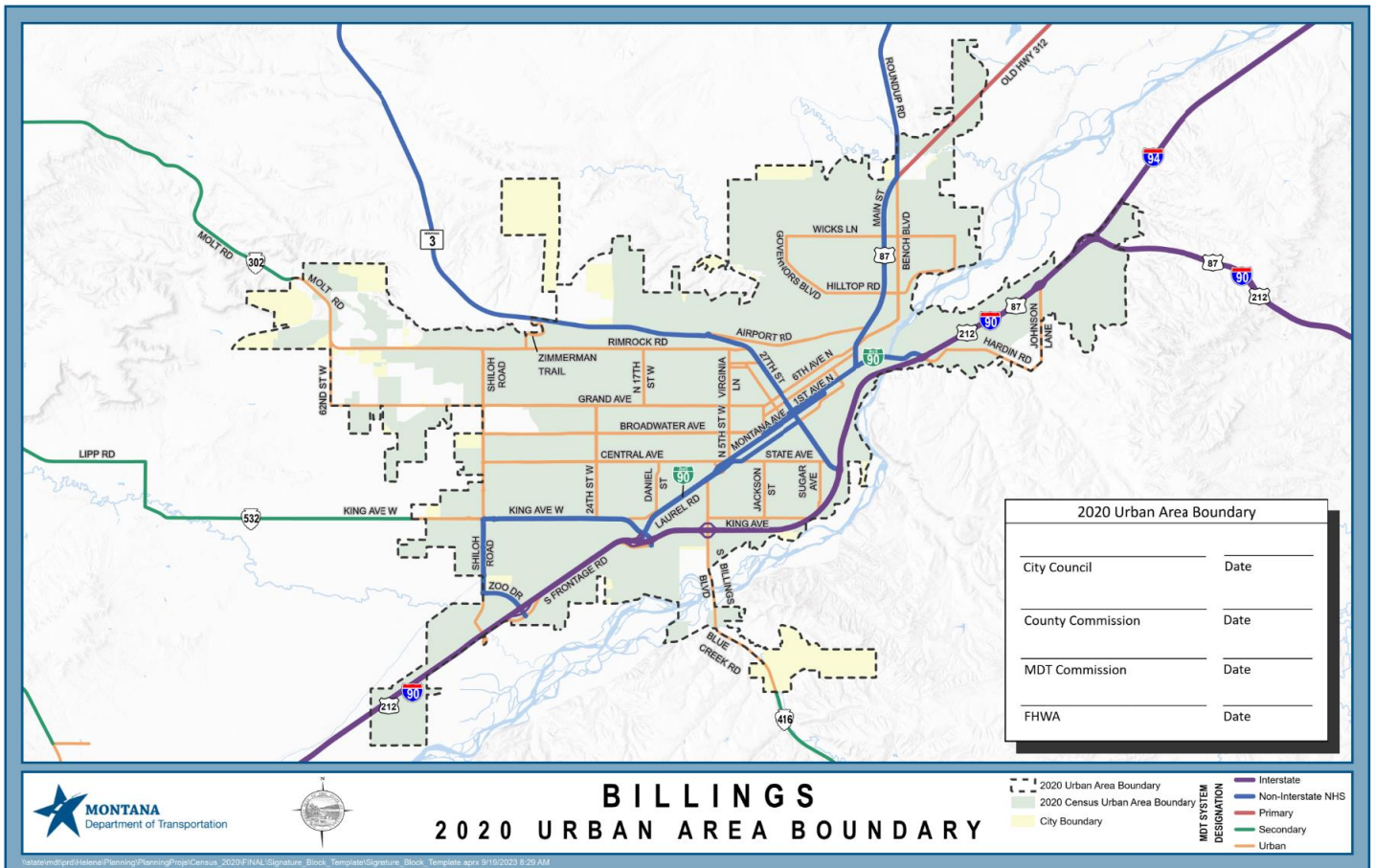
In response to the recently released 2020 Census data, the Federal Highway Administration (FHWA) mandates that the MPO, in collaboration with the Montana Department of Transportation (MDT) and local government agencies, adjust the planning boundary accordingly. These adjustments are based on the 2020 Census urban area boundaries, which are determined by housing density. The population within these adjusted urban areas determines their respective share of urban program funds. Final approval of the proposed boundaries is granted by the FHWA.

To define the MPO boundary, certain criteria were employed:

- Reasonable Distance: Areas within the urban boundary must be reachable within a 0.5-mile drive.
- Large Traffic Generator: This category includes industrial, commercial, or retail areas that do not encompass residential zones. Large traffic generators must primarily serve the urban area's population and have a significant impact, such as major hospitals, for example.
- Minimizing Impacts to the Highway Systems: The overarching goal is to avoid any adverse effects on the state highway system.

Additionally, when adjusting the urban boundaries, it is essential to consider the most recent city limit boundary, create a single contiguous area, adhere to political boundaries, census blocks, or physical

features/intersections.



This map amendment originated from MDT Helena and was subsequently introduced to the MPO, MDT Billings District, and the Public Works Departments of both the City and County. After undergoing a thorough examination and receiving a suggestion from the local review team, MDT Helena has made necessary adjustments and is presently seeking final approval and signatures from the City Council and the Board of County Commissioners. The public may view the map and attend the public meetings where consideration of the map update will be conducted at the Yellowstone County Board of Planning (11/14), City Council (11/6 Work Session and 11/13 Meeting), Board of County Commissioners (11/6 Discussion and 11/7 Meeting), and PCC (11/21).

Debi Meling made a motion, seconded by Tim Miller, to recommend approval of the MPO Boundary Amendment to the local governing bodies. The MPO Boundary Map Amendment was approved by the motion and was carried with a unanimous voice vote.



5. Other Business

Rusty Logan, Transit Manager states that MET will have a program amendment for the Transportation Improvement Program (TIP) in the spring. This change is related to 5307 programming. Rusty would also like to have a future agenda item to start a discussion on allocating a portion of Congestion Mitigation and Air Quality (CMAQ) funds towards MET operations. Lora asked about the other MPO's and what CMAQ funds are used towards Transit, Rusty stated that Missoula allocates about \$300k towards Transit. Finally, Rusty notified the committee that they are getting ready to release a Request For Proposal (RFP) on a study to look at the sustainability of the transit system and make recommendations on improving.

Debi Meling, Public Works Director reminded the committee about the upcoming meeting with MDT on November 6, 2023 to discuss a review process that MDT completed looking at the strengths, weaknesses, opportunities, and threats (SWOT) about the MPO operating more as a Transportation Management Area.

6. Future Agenda Items

ADJOURNMENT: 2:19pm

DRAFT-TO BE APPROVED BY A MOTION DURING THE NEXT SCHEDULED

Brenda J Berns, Planning Clerk

Members (Voting)

<p>Lora Mattox, Transportation Planning Coordinator T.A.C. City-County Planning Dept 510 N. Broadway, 4th Floor Miller Building Billings, MT 59101 P:247-8661 E: mattoxl@billingsmt.gov</p>	<p>Wyeth Friday, Director Planning and Community Services Dept. 2825 3rd Ave N, 4th Floor Miller Building Billings, MT 59101 P: 657-8246 E: fridayw@billingsmt.gov</p>
<p>Rusty Logan, Transit Manager Vice Chairman, T.A.C. City of Billings, MET Facility 1705 Monad Road Billings, MT 59101 P: 657-8221 E: loganr@billingsmt.gov</p>	<p>Sarah Graham, Transit Planner City of Billings, MET Facility 1705 Monad Road Billings, MT 59101 P: 657-8217 E: grahams@billingsmt.gov</p>
<p>Dakota Martonen, Staff Engineer City of Billings Engineering Division 2224 Montana Avenue Billings, MT 59101 P: 237-6289 E: martonend@billingsmt.gov</p>	<p>Mac Fogelsong, City Engineer City of Billings Engineering Division 2224 Montana Avenue Billings, MT 59101 P: 657-8232 E: fogelsongm@billingsmt.gov</p>
<p>Debi Meling, Public Works Director City of Billings Public Works Dept. 2224 Montana Avenue Billings, MT 59101 P: 657-3097 E: melingd@billingsmt.gov</p>	<p>Non-Voting/Administrative Support: Planning and Community Services Brenda J Berns, Planning Clerk 2825 3rd Ave N, 4th Floor Miller Building Billings, MT 59101 P: 247-8610 E: bernsb@billingsmt.gov</p>
<p>Tim Miller, Director Yellowstone County Public Works 316 North 26th/Rm 3201 Billings, Montana 59101 P: 256-2730 E: tmiller@yellowstonecountymt.gov</p>	
<p>Samantha Wood, Planner II Statewide Urban Planning Section Montana Dept. of Transportation 2701 Prospect Ave. Helena, Montana 59620 P: 406-444-3445 E: swood@mt.gov</p>	<p>Kurtis Schnieber District Construction Supervisor MT Dept. of Transportation P.O. Box 20437 Billings, MT 59620 P:252-4138 E: kschnieber@mt.gov</p>
<p><i>Ex-Officio Members</i></p>	
<p>Clark Snyder Yellowstone County Air Pollution Control 123 S 27th Street Billings, Montana 59101 P: 256-2770 E: clark.sny@riverstone.health.org</p>	<p>Jeff Roach, Director, Aviation & Transit City of Billings Logan International Airport P.O. Box 1178 Billings, Montana 59105 P: 657-8484 E: roachj@billingsmt.gov</p>
<p>Carol Strizich, Bureau Chief Rail and Transit Division Montana Dept. of Transportation 2701 Prospect Ave. Helena, Montana 59620 P: 406-444-9240 E: cstrizich@mt.gov</p>	<p>Craig Van Nice, CFO, Clerk Billings Public Schools Lincoln Center 415 N 30th Street Billings, MT 59101 P: 281-5116 E: vannicec@billingssschools.org</p>
<p>Katie Potts, Community Planner Federal Highway Administration 585 Shepherd Way, Suite 2 Helena, Montana 59601 P: 406-441-3907 E: katie.potts@dot.gov</p>	<p>Scott Aspenlieder, Transportation Commissioner 608 North 29th Street Billings, MT 59101 P: 406-441-3907 scott@performance-ec.com Exp: 01-2025</p>

Date: 02/08/2024
Title: 2024-2028 Transportation Improvement Program
Presented by: Lora Mattox
Department: Planning & Community Services
Presentation: Yes

RECOMMENDATION

Staff recommends that the Technical Advisory Committee (TAC) forward a recommendation of approval of the 2024-2028 Transportation Improvement Plan (TIP) to the local governing bodies.

BACKGROUND (Consistency with Adopted Plans and Policies, if applicable)

The TIP is a comprehensive document outlining the prioritized list of transportation projects and initiatives that the Billings Metropolitan Organization (MPO) intends to undertake over the upcoming TIP period of 2024-2028. The purpose of the TIP is to provide the mechanism for scheduling federal funds for surface transportation projects, indicate regional priorities, and demonstrate a short-range transportation vision for the area. A secondary purpose of the TIP is to provide information about other transportation projects in the urbanized area that are exempt from the TIP approval process, such as projects that do not utilize federal funds. This program plays a crucial role in addressing current and future transportation needs, promoting safety, and fostering economic development.

Key Components of the TIP:

1. **Project List:** The TIP includes a detailed list of proposed projects, along with their descriptions, scopes, budgets, and anticipated timelines. These projects are aligned with our strategic goals and aim to address identified transportation challenges in the region.
2. **Funding Allocation:** Clear and transparent allocation of funds is outlined in the TIP, demonstrating our commitment to efficient resource utilization. Funding sources, including federal, state, and local contributions, are clearly specified for each project.
3. **Public Involvement:** Prior to finalizing many of the projects in the TIP, we conduct public consultations to gather input from stakeholders, including residents, businesses, and community organizations. This occurs in several areas of our planning process, including most recently the update to the Billings Urban Area Long Range Transportation Plan (LRTP) in 2023. The feedback from the LRTP process and other opportunities has been incorporated into the TIP to ensure that it reflects the diverse needs of our community.
4. **Performance Measures:** To gauge the success of our initiatives, the TIP includes performance measures aligned with our organizational objectives. Regular reporting on these measures will enable us to track progress and make data-driven decisions.

STAKEHOLDERS

The review of the TIP will include the MPO's Transportation Planning Process that includes numerous opportunities for public input. The Planning Board, the designated MPO, will host a public hearing at its meeting and encourage and collect public comment. There is also opportunity for public comment during the Billings City Council, Board of County Commissioners, and the Policy Coordinating Committee public meetings.

ALTERNATIVES

The TIP provides the MPO a listing of federally funded projects through 2028. The TAC may:

- Forward a recommendation of approval of the 2024-2028 TIP to the local governing bodies which will allow the continuation of federal funds to the MPO, or;
- Not forward a recommendation of approval of the 2024-2028 TIP to the local governing bodies. Not forwarding a positive recommendation could jeopardize continued federal funding in the MPO.

FISCAL EFFECTS

A range of federal funding sources is available to the Billings MPO area for the purposes of funding transportation system improvements. A list of those sources is shown in the TIP. There is no known direct impact on the City or County funds in budgeting for these projects given the use of federal funding sources. Projects in the TIP that are not federally funded have already been identified in other programming documents, like the City's Capital Improvement Program.

SUMMARY

The TIP is regularly reviewed and updated as projects change or are added. This is a standard process that ensures the continuation of federal funds coming to Billings for surface transportation projects, indicates regional priorities, and demonstrate a short-range transportation vision for the area. It is noted that many of the changes in this TIP are still tied to completion of the Billings Bypass segments across the project as that project continues to near completion.

Attachments

TIP Draft
TIP Notes

Billings Metropolitan Planning Organization
TRANSPORTATION IMPROVEMENT PROGRAM
(TIP)

Federal Fiscal Years

FFY 2024 – 2028



Prepared by:
Billings Metropolitan Planning Organization
Yellowstone County Board of Planning

In cooperation with:
City of Billings, Montana
County of Yellowstone, Montana
Billings Urban Transportation District
Montana Department of Transportation
Federal Highway Administration
Federal Transit Administration

APPROVALS

REVIEWED BY

	2024-2028				
Technical Advisory Committee	02/08/2024				
Yellowstone County Board of Planning	02/27/2024				
Billings City Council	03/11/2024				
Yellowstone County Board of County Commissioners	03/12/2024				

Approved By

	2024-2028				
Policy Coordinating Committee	03/19/2024				
Montana Department of Transportation					

The preparation of this report has been financed in part through grant[s] from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under the State Planning and Research Program, Section 505 [or Metropolitan Planning Program, Section 104(f)] of Title 23, U.S. Code. The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation.

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Acronyms

BR	Bridge Replacement and Rehabilitation Program
CMAQ	Congestion Mitigation and Air Quality
CN	Construction
CO	Carbon Monoxide
EARMARK	Congressionally Directed Funds
EPA	Environmental Protection Agency
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY/FFY	Fiscal Year/Federal Fiscal Year. The local and state government fiscal year runs from July 1 - June 30. The Federal fiscal year runs from October 1 – September 30
HSIP	Highway Safety Improvement Program
IC	Incidental Construction
IIJA	Infrastructure Investment and Jobs Act
IM	Interstate Maintenance, IM is a state sub-allocated program funded by the federal National Highway Performance Program
MACI	Montana Air and Congestion Initiative
MAP-21	Moving Ahead for Progress in the 21st Century Act
MDT	Montana Department of Transportation
MPO	Metropolitan Planning Organization. The Yellowstone County Board of Planning is the MPO for the Billings Urban area.
NAAQS	National Ambient Air Quality Standards
NH	National Highway System, NH is a state sub-allocated program funded by the federal National Highway Performance Program
NHPB	National Highway System Bridge Program
PCC	Policy Coordinating Committee. Together with the TAC, the transportation planning organization for Federal aid projects in the Billings urbanized area.
PE	Preliminary Engineering
PM₁₀	A federal standard for particulate (10 microns or less in size), i.e., road dust, brake lining and/or wood smoke particles.
PM_{2.5}	A federal standard for particulate (2.5 microns or less in size), i.e., road dust, brake lining and/or wood smoke particles.
ROW	Right of Way
RP	Road Reference Post
RRS	Railroad Crossing
SFCN	State Funded Construction
SRTS	Safe Routes to Schools
SIP	State Implementation Plan. A plan for improving air quality in the State, including the Billings area.
STIP	State Transportation Improvement Program
STPB	Surface Transportation Program Bridge
STPE	Surface Transportation Program Enhancements
STPP	Surface Transportation Program Primary
STPU	Surface Transportation Program Urban

STPX	Surface Transportation Program Off-System
TA	Transportation Alternatives
TAC	Technical Advisory Committee
TIP	Transportation Improvement Program. A multi-year program of highway and transit projects on the Federal aid system, which addresses the goals of the long-range plans and lists priority projects and activities for the region.
TSP	Total Suspended Particulate
UPP	Urban Pavement Preservation

Introduction

Preface

The Yellowstone County Board of Planning (YCBP) is the Metropolitan Planning Organization, (MPO), for the Billings metropolitan planning area. The Transportation Improvement Program, (TIP), is the funding mechanism for transportation projects requesting federal dollars in the Billings urbanized area. This document contains a list of all surface transportation projects requesting the use of federal funds. Local jurisdictions working through the Billings MPO's Policy Coordinating Committee (PCC) determine how the area's transportation system is developed and expanded.

The Infrastructure Investment and Jobs Act (IIJA) was Passed by Congress on November 15, 2021 authorizing funding for Federal transportation programs for the five-year period from 2022-2026. The IIJA effectively replaced the Fixing America's Surface Transportation (FAST) Act and the prior infrastructure act Moving Ahead for Progress in the 21st Century (MAP-21) Act. MAP-21 authorized the Federal surface transportation programs for highways, highway safety, and transit for the 2-year period FFY 2013-2015. Like MAP-21, FAST Act and now IIJA requires that each Metropolitan Planning Organization (MPO) prepare a financially constrained transportation project programming document called a Transportation Improvement Program (TIP). While the IIJA replaced FAST, any previously obligated but unspent funds under the previous acts are still available at this time.

About the Transportation Improvement Program

The TIP is a short-range program of highway and transit projects in the Billings metropolitan planning area and is prepared by YCBP staff in cooperation with state and local agencies. The basic purpose of the TIP is to provide the mechanism for scheduling federal funds for surface transportation projects, indicating regional priorities, and demonstrating a short range transportation vision for the area. A secondary purpose of the TIP is to provide information about other transportation projects in the planning area that are exempt from the TIP approval process such as projects that do not utilize federal funds.

TIP Process and Development

The development of the TIP document is the responsibility of the Billings MPO and provides an opportunity for local officials to determine priorities and spending for federal highway and transit funds. Any transportation project located in the Billings metropolitan planning area must be included in the TIP prior to receiving federal funds. TIP projects must be included in the area's Long Range Transportation Plan and are proposed for the TIP by local elected officials, transit operating officials, or state highway agencies. The TIP is reviewed and endorsed annually by the Billings MPO's Policy Coordinating Committee, (PCC), and may be modified through the TIP amendment process. The PCC includes a Billings City Council representative, the Chair of the Yellowstone County Commission, the President of the Yellowstone County Board of Planning and the District Administrator of the Montana Department of Transportation. After PCC endorsement, the TIP is submitted to the Montana Department of Transportation (MDT) for approval and to the Federal Highway Administration and Federal Transit Administration for federal review of the document and concurrence.

Federal Regulations

The Transportation Improvement Program (TIP) is a required planning program for federally assisted highway and transit improvements for the Billings metropolitan planning area and the Montana Department of Transportation (MDT) over a five-year period. The principal focus is given to the first two years of the program, the Biennial Element, however the TIP contains projects that could be implemented between October 1, 2024 – September 30, 2028 (FFY 2024 & 2028). The TIP is prepared annually and is in conformance with 23 CFR, Part 450 324-330.

Financial Resources

A range of federal funding sources is available to the Billings planning area for the purposes of funding transportation system improvements. Following is a list of those sources which, when available to the Billings area, are shown in the Transportation Improvement Program. Project implementation is indicated as expected to occur during the pertinent program year. Billings has had a favorable history of receiving federal earmarks as reflected in the table below.

BILLINGS FEDERAL EARMARK HISTORY 1999 – through 2009

Project	Earmark
Billings Bypass	\$22,445,600

Funding Sources

- Surface Transportation Program Off System (STPX)
- Surface Transportation Program Secondary (STPS)
- State Funded Construction (SFCN)
- Surface Transportation Program Urban (STPU)
- Surface Transportation Program Primary (STPP)
- National Highway (NH)
- National Highway Freight Program (NHFP)
- Interstate Maintenance (IM)
- Railroad Crossing (RRS)
- Highway Safety Improvement Program (HSIP)
- Bridge Replacement and Rehabilitation Program (BR includes NHPB and STPB)
- Urban Pavement Preservation (UPP)
- Transportation Alternatives (TA)
- Congestion Mitigation Air Quality (CMAQ)
- Montana Air Congestion Initiative (MACI)
- FTA Section 5339
- FTA Section 5307
- FTA Section 5310
- Transade (State Funded)
- Congressionally Directed Funds (EARMARK)

Air Quality Consistency

Billings was designated as a non-attainment area for both Total Suspended Particulates (TSP) and Carbon Monoxide (CO) on March 3, 1978, (Federal Register, Vol. 44, No. 150, page 45421, August 2, 1979). As such, Billings was required to prepare a Transportation Control Plan (TCP). The TCP identified strategies to mitigate the TSP and CO problems. The TCP is the Billings element of Montana's State Implementation Plan (SIP). The TIP is required to be, and is, consistent with the TCP as discussed in the Billings conformity statement. In 1987 the standard for TSP was dropped, and a new standard for particulate matter under 10 microns in size (PM - 10) was adopted (7/1/87 at 52 FR 24854). The Environmental Protection Agency (EPA), has also adopted the PM 2.5 standard and Billings is considered to be in compliance with both of these new standards.

The Billings CO maintenance area has shown continuous maintenance of the CO NAAQS from April 22, 2002 through April 22, 2022 (and to the present date); therefore, the area has met its obligation to demonstrate maintenance of the CO standard for 20 years. The Yellowstone County Board of Planning, as the designated metropolitan planning organization for the Billings area, is no longer required to address the transportation conformity determination requirements of 40 CFR part 93, subpart A for the Billings CO maintenance area, and such determinations for the Billings CO area will not be required as elements of future iterations of the Billings Urban Area Regional Transportation Plan and Transportation Improvement Program.

Regionally Significant Projects

There are no new regionally significant projects in this 2024-2028 Billings Urban Area TIP.

40 CFR part 93, subpart A - §93.126 Highway and Transit projects included in subpart A are exempt from the requirement to determine conformity. Such projects may proceed toward implementation even in the absence of a conforming transportation plan and TIP. A project will not be exempt if the MPO in consultation with other agencies, the EPA, FHWA, or FTA concur that it has potentially adverse emissions impacts for any reason.

REGIONALLY SIGNIFICANT PROJECT (2020-2024)

Project	Scope	Comments
Billings Bypass (aka North Bypass)	Location/Environmental	New Construction

Energy Conservation Considerations

Energy impact analyses have been conducted as a part of the urban transportation planning process. In addition, increased attention has been given to energy conservation and contingency planning on a project specific basis.

As part of the 2023 update of the Billings Urban Area Transportation Plan, energy conservation was considered in each of the proposed alternative transportation networks.

The City of Billings has a well-developed transit system, and ride-sharing opportunities have been examined. Transit facilities and highway system proposals will continue to be considered in a comprehensive method through the adopted Transportation Planning process.

The detailed energy conservation analysis of specific projects has been conducted for each of the major highway construction projects recommended in the 2023 update of the Billings Urban Area Transportation Plan.

Programming of Non-Urban System, Federal Aid, and State Funding

Proposed projects involving federal-aid funding, other than urban system funding, that are proposed within existing rights-of-way and which are determined to not significantly change traffic patterns, may not be considered to be of appropriate scale to warrant a modification to a currently valid TIP.

When there is knowledge of such projects prior to the annual adoption of the TIP, each project will be included in the program. Generally, projects falling within this category are those which serve to preserve and maintain the integrity of the existing plant or facility such as: overlays to improve or maintain surface conditions; bridge expansion joints and deck repairs necessary to maintain structural and surface sufficiency; slope repair necessary to maintain drainage adequacy; etc. Projects of this nature will be identified by MDT with appropriate justification when requesting program approval of federal highway funds. Local urban area officials will be advised by the Department through the local planning process of the Department's intent to expend federal funds (non-urban system) for such improvements in their area.

Performance Measures

Performance measures have historically been used in Transportation Planning; the Moving Ahead for Progress in the 21st Century Act, (MAP-21), transformed the Federal-aid highway program by establishing requirements for performance management to promote the most efficient investment of Federal transportation funds. The Fixing America's Surface Transportation, (FAST), Act continues these requirements to increase the accountability and transparency of this program and to support improved investment decisions through a focus on performance outcomes for national transportation goals. Establishing performance measures encourage Metropolitan Planning Organizations (MPOs) and State Transportation Departments to maximize the allocation of resources in their respective areas, as well as monitor the performance of the system for eventual use of future resources.

The Billings MPO supports the State targets for applicable performance measures under federal regulation (23 CFR §490), and will support the Billings MET Transit for associated transit performance measures under federal code 49 USC §5326(c) and 49 USC §5329(d). Thus, the MPO will plan and program projects that contribute toward relevant targets for each performance measure.

Safety

The goal of safety performance measures is to reduce the number of traffic fatalities and serious injuries in the public right of way. Interstate Maintenance, National Highway, Highway Safety Improvement Program, Surface Transportation Program Off-System, Secondary, and State Funded Construction funding sources support projects with the intent to improve safety measures.

Performance Measure	2024 State Target (based on 5-year rolling average)
Number of fatalities	No more than 220.4 annual fatalities, which is an annual reduction of 3 fatalities per year
Rate of fatalities per 100 million vehicle miles traveled (AVMT)	No more than 1.670 fatalities per 100 million annual vehicle miles traveled (AVMT) which is a reduction of .041.
Number of serious injuries	No more than 709 serious injuries, which is an annual reduction of 41 serious injuries.
Rate of serious injuries per 100 million vehicle miles traveled (AVMT)	No more than 5.530 serious injuries per 100 million AVMT which is an annual reduction of .114.
Number of non-motorized fatalities and non-motorized serious injuries	No more than 54.6 non-motorized fatal and serious injuries, which is an annual reduction of 1 per year

Pavement and Bridge Condition

Pavement and bridge condition performance measures aim to maintain roadway and bridge infrastructure in such a way it remains functional and in good repair. Pavement and Bridge Condition are impacted most by Interstate Maintenance, National Highway, Bridge Program, and Urban Pavement Preservation funding sources. Projects included for funding under these sources were selected in part due to their contribution towards pavement and bridge condition targets.

Performance Measure	State Target	
	2-Year	4-Year
Percent of Pavements of the Interstate in Good Condition	50%	50%
Percent of Pavements of the Interstate in Poor Condition	2%	2%
Percent of Pavements of the Non-Interstate NHS in Good Condition	40%	40%
Percent of Pavements of the Non-Interstate NHS in Poor Condition	3%	3%
Percent of Bridges Classified as in Good Condition	16%	16%
Percent of Bridges Classified as in Poor Condition	9%	9%

System Performance

System performance measures exist to improve the efficiency of the overall transportation system, while helping to reduce congestion and travel times and increase reliability of the system. These measures are related to Congestion Mitigation and Air Quality, Surface Transportation Program Urban, and Transportation Alternatives funding sources. Projects included in these funding sources will contribute to meeting state targets for system performance.

Performance Measure	State Target	
	2-Year	4-Year
Percent of the person-miles traveled on the interstate that are reliable	98%	98%
Percent of the person-miles traveled on the non-Interstate NHS that are reliable	N/A	80%

Freight

The primary goal for establishing freight performance measures and targets is to improve the national freight network, while providing access to trade and enhancing the capacity of communities to participate in, and support regional economic development. The FHWA has established a performance measure specifically related to freight movement on the Interstate System, and MDT has set a 2- and 4-year target to address freight reliability (see table below).

Performance Measure	State Target	
	2-Year	4-Year
Truck Travel Time Reliability (TTTR) Index	1.30	1.30

Freight performance measures are most strongly influenced by the National Highway Freight Program Federal funding source. Projects selected for National Highways funding will contribute to improving the national freight network and meeting state targets. More information regarding freight related performance measures and metrics can be found in the [Montana Freight Plan](#).

Congestion Mitigation and Air Quality (CMAQ)

The collection of data regarding air quality performance measures helps to evaluate projects to ensure they are protecting and enhancing the health of the natural environment. These performance measures may be impacted by Congestion Mitigation and Air Quality, Montana Air and Congestion Initiative Discretionary Program, Transportation Alternatives, and Federal Transit Administration funding sources and associated projects that provide support for non-motorized transportation projects and programming that enhances air quality and encourages sustainable transportation options.

Performance Measure	State Target	
	2-Year	4-Year
CMAQ Traffic Congestion (Annual Hours of excessive delay per capita)	N/A	N/A
Percent of Non-SOV travel	N/A	N/A
CMAQ On-Road Mobile Source Emissions (Total Emission Reductions)		
Carbon Monoxide (CO)	36.33 kg/day	36.33 kg/day
Particulate Matter 10 (PM ₁₀)	0.10 kg/day	0.10 kg/day
Particulate Matter 2.5 (PM _{2.5})	0.07 kg/day	0.07 kg/day

Transit Asset Management

Transit Asset Management Performance targets and measures established for transit asset management (TAM) serve to provide safe, cost-effective, and reliable public transportation through a strategic and systematic process of operating, maintaining, and improving public transportation capital assets. The FTA has established four transit performance measures, three of which are applicable to MET Transit. Transit agencies are only required to establish targets for assets they have direct capital responsibility over. Thus, MET Transit was not required to establish targets for the infrastructure performance measure in their Transit Asset Management Plan (i.e. the percentage of track segments (by mode) that have performance restrictions). The performance measures and targets established by MET Transit, and supported by the MPO are shown in the table below:

Asset Category – Performance Measure	Asset Class	2024 Target	2025 Target	2026 Target	2027 Target	2028 Target
REVENUE VEHICLES						
Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	BU – Bus	11%	0%	0%	0%	0%
	CU – Cutaway Bus	59%	53%	47%	27%	0%
EQUIPMENT						
Age - % of vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	Non-Revenue Service Automobile	25%	50%	75%	75%	100%
	Trucks and other Rubber Tire Vehicles	100%	100%	100%	50%	50%
	Facility Maintenance Vehicles	100%	100%	100%	100%	100%
FACILITIES						
Condition - % of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) Scale	Passenger Facilities	0%	0%	0%	0%	0%
	Administration and Maintenance	0%	0%	0%	0%	0%

Transit Safety Plan Targets

The Public Transportation Agency Safety Plan (PTASP) Final Rule (49 CFR Part 673) requires certain operators of public transportation systems that receive federal funds under FTA's Urbanized Area Formula Grants to develop safety plans that include the processes and procedures to implement Safety Management Systems (SMS). The plan must include safety performance targets regarding fatalities, injuries, safety events, and system reliability. The rule applies to all operators of public transportation systems that are recipients and sub-recipients of federal financial assistance under the Urbanized Area Formula Program (49 U.S.C. § 5307). MET Transit developed and established a Transit Agency Safety Plan with the following safety performance targets:

Mode of Transit Service	Fatalities (Total)	Fatalities (per 100k VRM)	Injuries (Total)	Injuries (per 100k VRM)	Safety Events (Total)	Safety Events (per 100k VRM)	System Reliability (VRM/Failures)
Fixed Route	0	0	0	0	1	<1	30,000
Paratransit	0	0	0	0	1	<1	100,000

Federal Transit Administration Projects

The Federal Transit Administration funded projects, including FTA Section 5339 grant projects, are intended to assure the continued efficient operation, maintenance and administration of the MET Transit system fleet and facilities, including meeting federal regulations such as the Americans with Disabilities Act (ADA). The operating grants are for the fiscal years of July 1, 2024 to June 30, 2028 and the Section 5339 grant projects will permit Bus and Bus Facilities projects in Fiscal Years 2024 through 2028.

The vehicle purchases for MET PLUS are projects to enable the City to continue providing the required specialized demand-responsive paratransit service for citizens who are unable to use the MET Transit System due to their disabling conditions. The projects to purchase vehicles for other entities will address some of the transportation needs of individuals with disabilities and senior populations.

Advancement of Projects

It is mutually agreed that the first two years of this program is the best estimate of the project phase that will be undertaken during the Biennial timeframe. Occasionally, projects advance through the design process faster than anticipated. An approved project may accelerate into the next logical phase providing that the funding source does not change from that which was initially identified in the TIP. Federal, State, and local governments have agreed that a TIP revision is not required in order to accelerate a specific project phase, so long as other planned work is not unduly delayed.

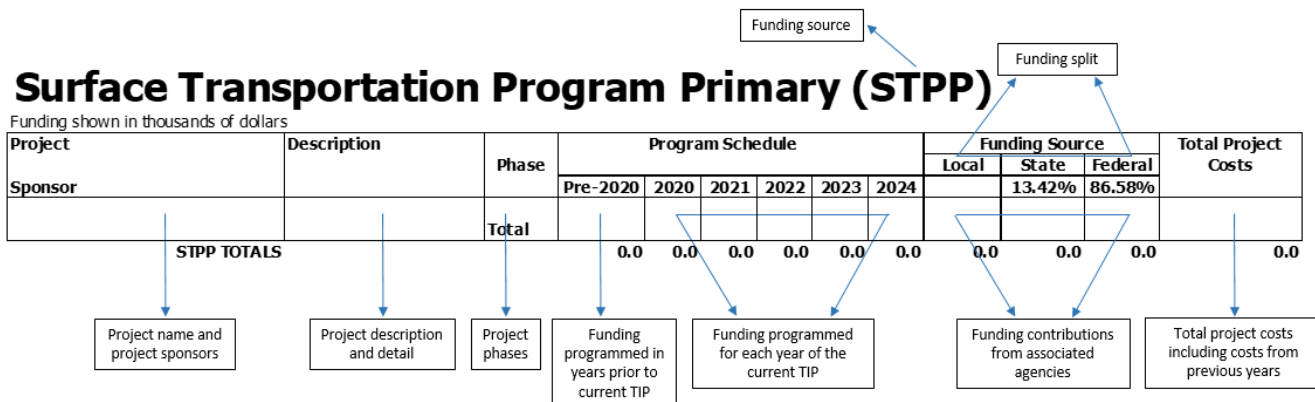
- The priorities with regard to the FTA Section 5307 projects in the Biennial Element are:
 - 1) Operating Assistance.
- The priorities with regard to the FTA Section 5310 projects in the Biennial Element are:
 - 1) Replacement vehicles for MET Special Transit.
- The priorities with regard to the FTA Section 5339 projects are:
 - 1) Assistance for bus/bus facilities

Annual Listing of Projects

Federal regulation (23 CFR §450.334) requires publication of an annual listing of projects for which Federal funds have been obligated in the TIP in the preceding year consistent with the categories identified in the TIP. The MPO will post this list to the Transportation Resource page of the City of Billings Website: <https://www.billingsmt.gov/2336/Transportation-Resources>

Understanding TIP Funding Tables

The TIP project funding tables consist of multiple components, and are designed to best display integral information regarding the projects within the TIP. The image below identifies and explains each of the various components of the TIP project funding tables, and can be used as a tool to understand the information being presented within the funding tables.



All construction projects included in the TIP will be completed in multiple phases (i.e. PE, RW, IC, and CN). Funding for each construction project is broken down by the costs of each specific phase. The table below provides a description of construction project phases and additional project phases the reader can expect to see within TIP funding tables.

Project Phase	Description
CN	Construction – Construction and/or reconstruction work performed by the agency or contractor to include construction engineering.
IC	Incidental Construction – ‘Safety net’ for unexpected construction expenditures
OT	Other – Additional programmatic expenditures including costs for education, and outreach
PE	Preliminary Engineering – Analysis and design work completed prior to project construction (the abbreviation EIS will be added if phase includes an environmental impact statement)
Purch.	Purchase – Procuring equipment, software, vehicles, or facilities
RW	Right of Way – Tasks associated with acquiring and preparing the right of way for a project (e.g. property acquisition and utility relocation)
Transit	Transit operations

Billings MPO Project List

PROJECT	UPN	SCOPE	COMMENTS
CMAQ			
Billings Bypass - Yellowstone River Bridge	4199-003	New construction of bridge over the Yellowstone River	
Billings Bypass - Johnson Lane Interchange	4199-007	Reconstruction of existing Interchange to a diverging diamond design	
STPU			
Billings Bypass - Five Mile Road	4199-002	Reconstruction of roadway	Completed
Billings Bypass - Yellowstone River Bridge	4199-003	New construction of bridge over the Yellowstone River	
Billings Bypass - Johnson Lane Interchange	4199-007	Reconstruction of existing Interchange to a diverging diamond design	
IM			
MDT Preventative Maintenance		Pavement Preservation and Striping	Placeholder to allow project nominations
I-90 Yellowstone River - Billings	7972	Bridge Replacement	
Mossmain Intch - West Blgs Intch	9198	Pavement Preservation w/ signal improvements at off ramps	
Billings Bypass - Johnson Lane Interchange	4199-007	Reconstruction of existing Interchange to a diverging diamond design	
Lockwood Intechange - Billings	9978	Reconstruction of existing Interchange to a diverging diamond design	
I-90 CULVERTS - BILLINGS AREA	10427	Culvert replacement	Not all locations inside MPO boundary
NH			
MDT Preventative Maintenance		Pavement Preservation and Striping	Placeholder to allow project nominations
Billings Bypass	4199-000	New Construction	Covers PE & IC
Billings Bypass - Yellowstone River Bridge	4199-003	New construction of bridge over the Yellowstone River	
Billings Bypass - Johnson Lane Interchange	4199-007	Reconstruction of existing Interchange to a diverging diamond design	
Billings Bypass - RR O'pass	4199-005	New construction of bridge over the railroad	
Billings Bypass - Johnson Ln Intch-RR O'pass	4199-008	New construction of roadway connection from existing Interchange to the bridge over the railroad	
Billings Bypass - Johnson Lane Intch - RR O'pass	4199-006	New construction of connection from interchange to the railroad overpass	
Billings Bypass - Five Mile Road to US 87	4199-004	New construction of connection from Five Mile to US 87	
Exposition Dr. & 1st Ave N. Blgs	7908	Intersection Improvements	
Underpass Ave. Improvements	8669	Intersection Improvements	
Airport Rd. & Main St. - Blgns	8718	Intersection Improvements	
1st Ave. N - N 9th to RR Xing	9022	Major Reconstruction	
Zoo Drive Improvements	9597	Intersection Improvements	
1st Ave. N - RR Xing to Broadway	9880	Major Reconstruction	
1st Ave. N - Broadway to Division	9881	Major Reconstruction	
Montana Ave Crosswalks - Billings	9998	Sidewalk Improvements ADA Compliance	
NHFP			
Billings Bypass - Johnson Lane Interchange	4199-007	Reconstruction of existing Interchange to a diverging diamond design	
I-90 Yellowstone River - Billings	7972	Bridge Replacement	

Billings MPO Project List (Continued)

PROJECT	UPN	SCOPE	COMMENTS
STPX, STPS, SFCN			
Billings Bypass - Yellowstone River Bridge	4199-003	New construction of bridge over the Yellowstone River	
Lockwood Interchange Jct Main & 87 to Worden	9588	Interchange Improvements Study Roadway Striping install safety improvement: signs, delineation, chevrons	
SF 209 BILLINGS DIST SIGNS	10299		
STPP			
RRS			
HSIP			
Various Safety Projects			Placeholder to allow project nominations
SF 129 - Rndabout King 56th	8052	Intersection Improvements - Roundabout	
SF 169 Rimrock & 62nd St. W Zoo Drive Improvements	9383 9597		Roundabout
SF 189 South D5 Safety Imprv	9912	Intersection Safety Improvements	Several intersections West End Billings using 10% for costs
SF 209 BILLINGS DIST SIGNS	10299	install safety improvement: signs, delineation, chevrons	
BR			
Billing Bypass - Yellowstone River	4199-003	New construction of bridge over the Yellowstone River	
I-90 Yellowstone River - Billings	7972	Bridge Replacement	
BR PRES COLUMBUS JOLIET AREA	9552	Minor bridge rehab	One project in MPO Boundary
SHILOH RD / I-90 BRIDGE - BLGS	9720	Bridge rehab	
MONTANA AVE OVERPASS- BILLINGS	9913	Bridge rehab	
UPP			
Various Preservation Projects		Pavement preservation	Placeholder to allow project nominations
MACI			
MDT MACI		Statewide CMAQ - Various	Placeholder to allow project nominations
MDT MACI		Statewide CMAQ - ADA Compliance	Placeholder to allow project nominations
Underpass Ave. Improvements	8669	Intersection Improvements	
Mossmain Intch - West Blgs Intch	9198	Pavement Preservation w/ signal improvements at off ramps	Partially funded IM is primary
ATSPM - MAIN STREET (BILLINGS)	10400	Signal Improvements	
BILLINGS DISTRICT ADA UPGRADES	10431	Signal Improvements	
TA			
Stagecoach Trail		Shared use path	
Old Hardin Sidewalk		Sidewalk construction	
FWP			
Rose Park Trail, Phase 1	Local	Bike Pedestrian Path	Recreational Trails Program \$100,000 Local (In-Kind) \$25,000
Rose Park Trail, Phase 2	Local	Bike Pedestrian Path	Recreational Trails Program \$100,000 Local \$25,000
Lillis Park Trail Connector	Local	Bike Pedestrian Path	Recreational Trails Program \$100,000 Local \$25,000
Big Ditch Trail Extension	Local	Bike Pedestrian Path	Recreational Trails Program \$100,000 Local \$25,000
EARMARK			
Billings Bypass	4199-001	New Construction	Covers Environmental Doc., PE, RW
FTA 5307			
FTA 5339			
FTA 5310			
FTA 5311			
100 % LOCALLY FUNDED			
Various Projects		Annual Operation and Maintenance	
State Funded Maintenance			
Various Maintenance Projects		Maintenance	

Projects with Multiple Funding

Billings Bypass

Funding shown in thousands of dollars

Project: Billings Bypass	Description	Phase	Program Schedule							Funding Source	Local	State	Federal	Total Project Costs		
			Pre-2024	2024	2025	2026	2027	2028	2028+							
Sponsor: MDT																
Billings Bypass	<i>UPN4199000</i>	Environmental Impact Statement	PE-EIS	4,919.6							EARMARK		660.2	4,259.4	4,919.6	
		Preliminary Engineering	PE	9,679.0							EARMARK		1,298.9	8,380.0	9,679.0	
		Preliminary Engineering	PE	8,074.0	1,300.0						NH		1,258.0	8,116.0	9,374.0	
		Right of Way Acquisition	RW	11,420.0	6,550.0						EARMARK/NH		2,411.6	15,558.4	17,970.0	
		Utility Moves	IC								NH		0.0	0.0	0.0	
<i>MDT</i>		Total		34,092.6	7,850.0	0.0	0.0	0.0	0.0				5,628.7	36,313.9	41,942.6	
Billings Bypass	<i>UPN4199002</i>	Construction of Five Mile Road	IC	156.8							STPU		21.0	135.8	156.8	
(Five Mile Road)			CN	5,865.9							STPU		787.2	5,078.7	5,865.9	
<i>MDT</i>		Total		6,022.8	0.0	0.0	0.0	0.0	0.0				808.3	5,214.5	6,022.8	
Billings Bypass	<i>UPN4199003</i>	Construction of a new bridge over the Yellowstone River	IC	416.2							NH		55.9	360.4	416.2	
(Yellowstone River Bridge)			CN	11,364.2							STPU		1,525.1	9,839.1	11,364.2	
			CN	5,000.0							CMAQ		671.0	4,329.0	5,000.0	
			CN	5,000.0							BRIDGE		671.0	4,329.0	5,000.0	
			CN	18,261.7							NH		2,450.7	15,811.0	18,261.7	
			CN	12.9							SFCX		12.9	0.0	12.9	
<i>MDT</i>		Total		40,055.0	0.0	0.0	0.0	0.0	0.0				5,386.6	34,668.5	40,055.0	
Billings Bypass	<i>UPN4199007</i>	Reconstruction of existing Interchange	IC	4,121.1							NH		553.1	3,568.1	4,121.1	
(Johnson Lane Interchange)			CN			2,429.7					STPU		326.1	2,103.7	2,429.7	
			CN			6,200.0					CMAQ		832.0	5,368.0	6,200.0	
			CN			3,800.0					NH		510.0	3,290.0	3,800.0	
			CN			14,357.7					NHFP split at 91.24/8.76		1,257.7	13,100.0	14,357.7	
			CN			16,440.0					IM*		1,440.1	14,999.9	16,440.0	
<i>MDT</i>		Total		4,121.1	0.0	43,227.5	0.0	0.0	0.0				4,919.0	42,429.6	47,348.6	
Billings Bypass	<i>UPN4199005</i>	Construction of new bridge over railroad	IC	764.4	469.2						NH		165.6	1,068.1	1,233.6	
(Railroad Overpass)			CN	16,929.6	520.0						NH		2,341.7	15,107.9	17,449.6	
<i>MDT</i>		Total		17,694.0	989.2	0.0	0.0	0.0	0.0				2,507.3	16,176.0	18,683.2	
Billings Bypass	<i>UPN4199008</i>	New construction of roadway connection from existing Interchange to the bridge over the railroad	CN	7,726.3							NH		0.0	0.0	0.0	
<i>MDT</i>		Total		7,726.3	0.0	0.0	0.0	0.0	0.0				1,036.9	6,689.4	7,726.3	
Billings Bypass	<i>UPN4199006</i>	Construction of connection from Interchange to RR O'pass	IC		1,000.0						NH		134.2	865.8	1,000.0	
(Johnson Lane Interchange to RR O'pass)			CN		8,252.8						NH		1,107.5	7,145.3	8,252.8	
<i>MDT</i>		Total		0.0	9,252.8	0.0	0.0	0.0	0.0				1,241.7	8,011.1	9,252.8	
Billings Bypass	<i>UPN4199004</i>	Construction of connection from Five Mile to US 87	IC			500.0					NH		67.1	432.9	500.0	
(Five Mile Rd to US 87)			CN			14,342.4					NH		1,924.8	12,417.7	14,342.4	
<i>MDT</i>		Total		0.0	0.0	14,842.4	0.0	0.0	0.0	0.0			1,991.9	12,850.6	14,842.4	
Totals				109,711.9	18,092.0	58,069.9	0.0	0.0	0.0	0.0			0.0	23,520.3	162,353.5	185,873.8

Funding projections are based on best available information and are subject to change given current funding uncertainties and unknown impacts of future congressional or other federal actions.

CN estimates include CE costs

I-90 Yellowstone River Bridges

Funding shown in thousands of dollars

Project: I-90 Yellowstone River Bridges	Description	Phase	Program Schedule							Funding	Local	State	Federal	Total Project Costs
			Pre-2024	2024	2025	2026	2027	2028	2028+	Source		13.42%	86.58%	
Sponsor: MDT														
I-90 Yellowstone River Bridges UPN 7972	Reconstruction of Interstate bridges over the Yellowstone River	PE	4,833.3							BRIDGE		648.6	4,184.6	4,833.3
		PE	722.2							IM*		63.3	658.9	722.2
		PE	801.4							NHFP		70.2	731.2	801.4
		RW	180.0							IM*		15.8	164.2	180.0
		CN	63,376.3	35.0						BRIDGE		8,509.8	54,901.5	63,411.3
		CN	4,384.0							IM*		384.0	4,000.0	4,384.0
		CN	17,325.0							NHFP		2,325.0	15,000.0	17,325.0
<i>MDT</i>	RP 450 to 452.7	Total	91,622.3	35.0	0.0	0.0	0.0	0.0	0.0		12,016.7	79,640.5	91,657.3	
Totals			91,622.3	35.0	0.0	0.0	0.0	0.0			12,016.7	79,640.5	91,657.3	

CN estimates include CE costs

*IM funding split is 91.24% Federal/8.76% State

Estimated Revenue

Amounts shown in thousands of dollars

Federal	STP/S*/X*															
	Fiscal Year	CMAQ**	STPU*	IM*	NH*	NHFP*	SFCN	STPP*	RRS	HSIP*	BR*	UPP*	MACI*	TA*	FWP	SUBTOTAL
Carryover	7,164.8	12,767.4												5,945.0		25,877.2
FFY 2024	1,435.8	2,489.8	2,297.5	19,858.5	0.0	0.0	0.0	0.0	-851.2	1,781.3	500.0	932.6	790.0	375.0	29,609.3	
FFY 2025	1,435.8	2,489.8	18,708.7	34,409.7	14,357.7	0.0	0.0	0.0	1,000.0	12.4	500.0	750.0	790.0	125.0	74,579.1	
FFY 2026	1,435.8	2,489.8	2,268.7	17,414.9	0.0	80.8	0.0	0.0	747.4	2,858.3	500.0	750.0	790.0	125.0	29,460.6	
FFY 2027	1,435.8	2,489.8	8,439.0	11,370.9	0.0	0.0	0.0	0.0	500.0	0.0	500.0	750.0	790.0	125.0	26,400.4	
FFY 2028	1,435.8	2,489.8	45,512.5	13,438.3	0.0	0.0	0.0	0.0	500.0	0.0	500.0	750.0	790.0	125.0	65,541.3	
TOTAL	14,343.6	25,216.2	77,226.5	96,492.3	14,357.7	80.8	0.0	0.0	1,896.2	4,652.0	2,500.0	3,932.6	9,894.8	875.0	251,467.8	

Federal	FTA 5307		FTA 5339		DISCRETIONARY 5339		FTA 5310		GAS TAX			TOTAL
	Federal	Local	Federal	Local	Federal	Local	Federal	Local	CITY	COUNTY	OTHER**	
Carryover	5,107.7		1,011.2		8,397.9		0.0					40,394.0
FFY 2024	2,500.0	3,290.6	480.0	325.9	0.0	1,409.6	162.4	28.7	1,739.8	313.8	998.6	40,858.5
FFY 2025	2,500.0	1,648.8	480.0	115.0	0.0	0.0	180.8	45.2	1,739.8	313.8	1,830.6	83,433.0
FFY 2026	2,500.0	1,648.8	480.0	27.0	0.0	0.0	180.8	45.2	1,726.8	324.8	998.6	37,392.5
FFY 2027	2,500.0	1,648.8	480.0	99.9	0.0	0.0	180.8	45.2	1,779.9	299.1	998.6	34,432.6
FFY 2028	2,500.0	1,648.8	480.0	60.0	0.0	0.0	180.8	45.2	1,726.8	324.8	998.6	73,506.1
TOTAL	17,607.7	9,885.6	3,411.2	627.7	8,397.9	1,409.6	885.6	209.5	8,713.1	1,576.2	5,824.9	310,016.8

Funding projections are based on best available information and are subject to change given current funding uncertainties and unknown impacts of future congressional or other federal actions. Federal program funding availability may impact the scheduling of projects. Funding beyond 2024 will be subject to the obligation limitation set by the annual appropriations process.

NOTES:

These estimates are based on historical data and projections.

* STPU, IM, NH, NHFP, STPX, STPP, HSIP, BR, UPP, MACI, and TA funds include match.

**Reflective of federal share only.

***Operations and Maintenance funds (average of Fiscal Years 2020-2022), TRANSADE, and CMAQ (match) makes up OTHER

Congestion Mitigation & Air Quality (CMAQ)

Funding shown in thousands of dollars

Unless otherwise indicated the matching ratios for these projects are 86.58% Federal and 13.42% Match

Project	Description	Phase							Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local 13.42%	State 13.42%	Federal 86.58%		
Sponsor													
<i>Carryover (Federal)</i>				7,164.8	8,600.6	4,668.4	6,104.1	7,539.9					
<i>Estimated allocation (Federal)</i>				1,435.8	1,435.8	1,435.8	1,435.8	1,435.8					
Billings Bypass (Yellowstone River Bridge) <i>UPN4199003</i> <i>MDT</i>	Construction of a new bridge over the Yellowstone River	CN	5,000.0							671.0	4,329.0	5,000.0	
Total			0.0	0.0	0.0	0.0	0.0	0.0	0.0	671.0	4,329.0	5,000.0	
Billings Bypass (Johnson Lane Interchange) <i>UPN4199007</i> <i>MDT</i>	Reconstruction of existing Interchange	CN			6,200.0					832.0	5,368.0	6,200.0	
Total			0.0	0.0	6,200.0	0.0	0.0	0.0	0.0	832.0	5,368.0	6,200.0	
Service Operations* Operating - 80% match <i>MET</i>	Transfer from CMAQ to 5307	Transit							0.0		0.0	0.0	
Total			0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Project Adjustments/Closures													
CMAQ Totals				0.0	6,200.0	0.0	0.0	0.0	0.0	0.0	1,503.0	9,697.0	11,200.0
Federal				0.0	5,368.0	0.0	0.0	0.0	0.0				
State				0.0	832.0	0.0	0.0	0.0					
Ending Balance (Federal)				8,600.6	4,668.4	6,104.1	7,539.9	8,975.6					

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Surface Transportation Program Urban (STPU)

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
Sponsor													
<i>Carryover</i>				12,767.4	15,257.2	15,317.2	17,807.0	20,296.7					
<i>Estimated Allocation (STPU)</i>				2,489.8	2,489.8	2,489.8	2,489.8	2,489.8					
Billings Bypass (Five Mile Road)	UPN41990 Construction of Five Mile Rd	IC	140.1							18.8	121.3		140.1
<i>MDT</i>		CN	5,865.9							787.2	5,078.7		5,865.9
		Total	6,006.1	0.0	0.0	0.0	0.0	0.0	0.0	806.0	5,200.1		6,006.1
Billings Bypass (Yellowstone River Bridge)	UPN41990 Construction of a new bridge over the Yellowstone River												
<i>MDT</i>		CN	11,364.2							1,525.1	9,839.1		11,364.2
		Total	11,364.2	0.0	0.0	0.0	0.0	0.0	0.0	1,525.1	9,839.1		11,364.2
Billings Bypass (Johnson Lane Interchange)	UPN41990 Reconstruction of existing Interchange												
<i>MDT</i>		CN			2,429.7					326.1	2,103.7		2,429.7
		Total	0.0	0.0	2,429.7	0.0	0.0	0.0	0.0	326.1	2,103.7		2,429.7
Adjustment/Closures													
STPU Totals				0.0	2,429.7	0.0	0.0	0.0	0.0	0.0	2,657.2	17,142.9	19,800.0
Federal				0.0	2,103.7	0.0	0.0	0.0					
State				0.0	326.1	0.0	0.0	0.0					
Balance				15,257.2	15,317.2	17,807.0	20,296.7	22,786.5					

Funding projections are based on best available information and are subject to change given current funding uncertainties and unknown impacts of future congressional or other federal actions. Federal program funding availability may impact the scheduling of projects. Funding will be subject to the obligation limitation set by the annual appropriations process. CN estimates include CE costs

Interstate Maintenance (IM)

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
Sponsor													
MDT-PREVENTATIVE MAINTENANCE - IM	Maintenance - Striping, Durable Pave Marking, Pavement Pres.	All		1,500.0	1,500.0	1,500.0	1,500.0	1,500.0		657.0	6,843.0		7,500.0
<i>MDT</i>		Total		1,500.0	1,500.0	1,500.0	1,500.0	1,500.0	0.0	657.0	6,843.0		7,500.0
Johnson Lane Interchange Ramps	Striping and Durable Pavement Markings Interchange	OT		4.0						0.3	3.6		4.0
UPN	I-90 RP 455- 455.5	Total	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.3	3.6		4.0
<i>MDT</i>													
Lockwood Interchange Ramps	Striping and Durable Pavement Markings Interchange	OT		4.0						0.3	3.6		4.0
UPN	I-90 RP 452.6- 453.1	Total	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.3	3.6		4.0
<i>MDT</i>													
27TH ST. Interchange Ramps	Striping and Durable Pavement Markings Interchange	OT		4.0						0.3	3.6		4.0
UPN	I-90 RP 449.9- 450.4	Total	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.3	3.6		4.0
<i>MDT</i>													
South Billings Blvd Interchange Ramps	Striping and Durable Pavement Markings Interchange	OT		4.0						0.3	3.6		4.0
UPN	I-90 RP 447- 447.5	Total	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.3	3.6		4.0
<i>MDT</i>													
King Ave West Interchange Ramps	Striping and Durable Pavement Markings Interchange	OT		4.0						0.3	3.6		4.0
UPN	I-90 RP 446.2- 446.4	Total	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.3	3.6		4.0
<i>MDT</i>													
Zoo Drive Interchange Ramps	Striping and Durable Pavement Markings Interchange	OT		4.5						0.4	4.1		4.5
UPN	I-90 RP 443.1- 443.7	Total	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.4	4.1		4.5
<i>MDT</i>													
Billings Bypass - Johnson Lane Intch	Reconstruction of existing Interchange	CN			16,440.0					1,440.1	14,999.9		16,440.0
UPN 4199-007	I-90 RP	Total	0.0	0.0	16,440.0	0.0	0.0	0.0	0.0	1,440.1	14,999.9		16,440.0
<i>MDT</i>													
I-90 Yellowstone River Bridges	Bridge Replacement	PE	722.2							63.3	658.9		722.2
UPN 7972		RW	180.0							15.8	164.2		180.0
<i>MDT</i>		CN	4,384.0							384.0	4,000.0		4,384.0
	I-90 RP 450.09 to 452.73	Total	5,286.3	0.0	0.0	0.0	0.0	0.0	0.0	463.1	4,823.2		5,286.3
Mossmain Intch - West Blgs Intch	Pavement Preservation	PE	910.5							79.8	830.8		910.5
UPN 9198	Not all locations inside MPO boundary	CN	24,304.8	16.2						2,130.5	22,190.5		24,321.0
<i>MDT</i>	I-90 RP 437.12 to 446.7	Total	25,215.3	16.2	0.0	0.0	0.0	0.0	0.0	2,210.3	23,021.2		25,231.5
Lockwood Interchange - Billings	Capital Construction	PE	3,331.2							291.8	3,039.4		3,331.2
UPN 9978	Improvements to Lockwood Interchange	RW			768.7					67.3	701.4		768.7
<i>MDT</i>		IC				768.7				67.3	701.4		768.7
		CN						44,012.5		3,855.5	40,157.0		44,012.5
	I-90 RP 450 to RP 453.5	Total	3,331.2	0.0	768.7	768.7	0.0	44,012.5	0.0	4,282.0	44,599.2		48,881.2
I-90 CULVERTS - BILLINGS AREA	Culvert Replacement	PE		757.0						66.3	690.7		757.0
UPN 10427	Not all locations inside MPO boundary	CN					6,939.0			607.9	6,331.2		6,939.0
<i>MDT</i>	I-90 RP 413 to 528	Total	0.0	757.0	0.0	0.0	6,939.0	0.0	0.0	674.2	7,021.8		7,696.0
IM TOTAL			33,832.8	2,297.5	18,708.7	2,268.7	8,439.0	45,512.5	0.0	9,728.8	101,330.5		111,059.3

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Federal program funding availability may impact the scheduling of projects. Funding will be subject to the obligation limitation set by the annual appropriations process.

*IM is a state sub-allocated program funded by the federal National Highway Performance Program.

CN estimates include CE costs

National Highway (NH)*

Funding shown in thousands of dollars

Project	Description	Phase	Funding Source							Total Project Costs		
			Pre-2024	2024	2025	2026	2027	2028	Local		State	Federal
Sponsor										13.42%	86.58%	
MDT - PREVENTATIVE MAINTENANCE - NH	Maintenance - Striping, Durable Pavement Marking, Pavement Pres.	All		1,000.0	1,000.0	1,000.0	1,000.0	1,000.0		671.0	4,329.0	5,000.0
<i>MDT</i>		Total		1,000.0	1,000.0	1,000.0	1,000.0	1,000.0		671.0	4,329.0	5,000.0
Heights Main St.	Striping and Durable Pavement Marking BR 1-90/US-87 RP 0 to 4.7	OT		140.7						18.9	121.8	140.7
<i>UPN</i>		Total	0.0	140.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>MDT</i>										18.9	121.8	140.7
27th St.	Striping and Durable Pavement Marking MT-3 RP 0 to 3.3	OT		142.2						19.1	123.1	142.2
<i>UPN</i>		Total	0.0	142.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>MDT</i>										19.1	123.1	142.2
Zoo Drive Interchange	Striping and Durable Pavement Marking Zoo Drive RP 0 to 0.9	OT		55.5						7.5	48.1	55.5
<i>UPN</i>		Total	0.0	55.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>MDT</i>										7.5	48.1	55.5
King Ave West	Striping and Durable Pavement Marking King Ave West RP 2.5 to 3.1	OT		22.5						3.0	19.4	22.5
<i>UPN</i>		Total	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>MDT</i>										3.0	19.4	22.5
Old Laurel Road	Striping and Durable Pavement Marking BR 1-90 RP 0 to 0.7	OT		16.6						2.2	14.4	16.6
<i>UPN</i>		Total	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>MDT</i>										2.2	14.4	16.6
Billings Bypass	New construction	PE	8,074.0	1,300.0						1,258.0	8,116.0	9,374.0
<i>UPN 4199-000</i>		RW	3,573.0	6,550.0						1,358.5	8,764.5	10,123.0
<i>MDT</i>		IC								0.0	0.0	0.0
		Total	11,647.0	7,850.0	0.0	0.0	0.0	0.0	0.0	2,616.5	16,880.5	19,497.0
Billings Bypass - Yellowstone River Bridge	New construction of bridge over the Yellowstone River	IC		416.2						55.9	360.4	416.2
<i>UPN 4199-003</i>		CN		18,261.7						2,450.7	15,810.9	18,261.7
<i>MDT</i>		Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,506.6	16,171.3	18,677.9
Billings Bypass - Five Mile Rd to US 87	Construction of connection from Five Mile to US 87	IC			500.0					67.1	432.9	500.0
<i>UPN 4199-004</i>		CN			14,342.4					1,924.8	12,417.7	14,342.4
<i>MDT</i>		Total	0.0	0.0	14,842.4	0.0	0.0	0.0	0.0	1,991.9	12,850.6	14,842.4
Billings Bypass - RR O'pass	New construction of RR O'pass	IC		764.4	469.2					165.6	1,068.1	1,233.6
<i>UPN 4199-005</i>		CN		16,929.6	520.0					2,341.7	15,107.9	17,449.6
<i>MDT</i>		Total	17,694.0	989.2	0.0	0.0	0.0	0.0	0.0	2,507.3	16,176.0	18,683.2
Billings Bypass - Johnson Ln. Intch - RR O'pass	New construction of connection from Interchange to bridge	IC		1,000.0						134.2	865.8	1,000.0
<i>UPN 4199-006</i>		CN		8,252.8						1,107.5	7,145.3	8,252.8
<i>MDT</i>		Total	0.0	9,252.8	0.0	0.0	0.0	0.0	0.0	1,241.7	8,011.1	9,252.8
Billings Bypass - Johnson Lane Intch	Reconstruction of existing Interchange RP 455.5	IC		4,121.1						553.1	3,568.1	4,121.1
<i>UPN 4199-007</i>		CN			3,800.0					510.0	3,290.0	3,800.0
<i>MDT</i>		Total	4,121.1	0.0	3,800.0	0.0	0.0	0.0	0.0	1,063.0	6,858.1	7,921.1
Billings Bypass - (RR O'pass to Yellowstone R)	New construction of roadway connection from existing Interchange to the bridge over the railroad	CN		7,726.3						1,036.9	6,689.4	7,726.3
<i>UPN4199-008</i>		Total	7,726.3	0.0	0.0	0.0	0.0	0.0	0.0	1,036.9	6,689.4	7,726.3
<i>MDT</i>												
Exposition Dr. & 1st Ave. N. Blgs	Intersection Improvements	PE		1,537.3						206.3	1,331.0	1,537.3
<i>UPN 7908</i>		CN			9,098.4					1,221.0	7,877.4	9,098.4
<i>MDT</i>		Total	1,537.3	0.0	9,098.4	0.0	0.0	0.0	0.0	1,427.3	9,208.4	10,635.7
Underpass Ave. Improvements	Intersection Improvements	PE								0.0	0.0	0.0
<i>UPN 8669</i>		CN		10,763.2						1,444.4	9,318.8	10,763.2
<i>MDT</i>		Total	10,763.2	0.0	0.0	0.0	0.0	0.0	0.0	1,444.4	9,318.8	10,763.2
Airport Rd. & Main St. - Blgs	Intersection Improvements	OT		295.6						39.7	255.9	295.6
<i>UPN 8718</i>		PE		2,229.8	389.0					351.4	2,267.4	2,618.8
<i>MDT</i>		RW				61.2				8.2	53.0	61.2
		IC				153.1				20.5	132.5	153.1
		CN					8,122.9			1,090.1	7,032.8	8,122.9
<i>MDT</i>		Total	2,525.4	389.0	0.0	214.3	8,122.9	0.0	0.0	1,510.0	9,741.7	11,251.6
1st Ave. N - N 9th to RR Xing	Reconstruction of roadway Major Rehab	PE		2,984.3						400.5	2,583.8	2,984.3
<i>UPN 9022</i>		RW				59.8				8.0	51.8	59.8
<i>MDT</i>		IC					59.8			8.0	51.8	59.8
		CN						12,438.3		1,669.2	10,769.1	12,438.3
<i>MDT</i>		Total	2,984.3	0.0	0.0	59.8	59.8	12,438.3	0.0	2,085.8	13,456.4	15,542.2
Zoo Drive Improvements	Intersection Improvements I-90 RP 442.9 to 444.3 U-1011 RP 2.36 to 3.04	PE		499.7						67.1	432.7	499.7
<i>UPN 9597</i>		CN			5,037.6					676.0	4,361.6	5,037.6
<i>MDT</i>		Total	499.7	0.0	5,037.6	0.0	0.0	0.0	0.0	743.1	4,794.2	5,537.3
1st Ave. N - RR Xing to Broadway	Reconstruction of roadway Major Rehab	PE		831.1						111.5	719.5	831.1
<i>UPN 9880</i>		RW			12.4					1.7	10.8	12.4
<i>MDT</i>		IC			255.6					34.3	221.3	255.6
		CN				8,338.2				1,119.0	7,219.2	8,338.2
<i>MDT</i>		Total	831.1	0.0	268.1	8,338.2	0.0	0.0	0.0	1,266.5	8,170.8	9,437.3
1st Ave. N - Broadway to Division	Reconstruction of roadway Major Rehab	PE		840.7						112.8	727.8	840.7
<i>UPN 9881</i>		RW			12.6					1.7	10.9	12.6
<i>MDT</i>		IC			350.6					47.1	303.6	350.6
		CN				7,725.6				1,036.8	6,688.8	7,725.6
<i>MDT</i>		Total	840.7	0.0	363.2	7,725.6	0.0	0.0	0.0	1,198.3	7,731.2	8,929.5
Montana Ave Crosswalks - BLGS	Sidewalk Improvements ADA compliance	PE		128.2						17.2	111.0	128.2
<i>UPN 9998</i>		RW				25.6				3.4	22.2	25.6
<i>MDT</i>		IC				51.3				6.9	44.4	51.3
		CN					2,188.2			293.7	1,894.5	2,188.2
<i>MDT</i>		Total	128.2	0.0	0.0	76.9	2,188.2	0.0	0.0	321.2	2,072.2	2,393.3
NH TOTAL			79,976.2	19,858.5	34,409.7	17,414.9	11,370.9	13,438.3	0.0	23,682.1	152,786.5	176,468.5

Funding projections are based on best available information and are subject to change given current funding uncertainties and unknown impacts of future congressional or other federal actions.

Federal program funding availability may impact the scheduling of projects. Funding will be subject to the obligation limitation set by the annual appropriations process.

*NH is a state sub-allocated program funded by the federal National Highway Performance Program.

CN estimates include CE costs

National Highway Freight Program (NHFP)*

Funding shown in thousands of dollars

Project Sponsor	Description	Phase							Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
Billings Bypass UPN419900 (Johnson Lane Interchange) MDT	Reconstruction of existing Interchange	CN			14,357.7						1,257.7	13,100.0	14,357.7
										0.0	0.0	0.0	
										0.0	0.0	0.0	
										0.0	0.0	0.0	
			Total	0.0	0.0	14,357.7	0.0	0.0	0.0	0.0	0.0	1,257.7	13,100.0
I-90 Yellowstone River Bridges UPN 7972 MDT	Reconstruction of Interstate bridges	PE CN	801.4								70.2	731.2	801.4
			17,325.0								1,517.7	15,807.3	17,325.0
											0.0	0.0	0.0
											0.0	0.0	0.0
			Total	18,126.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,587.9	16,538.6
NHFP TOTAL			18,126.4	0.0	14,357.7	0.0	0.0	0.0	0.0	2,845.6	29,638.6	32,484.2	

Funding projections are based on best available information and are subject to change given current funding uncertainties and unknown impacts of future congressional or other federal actions. Federal program funding availability may impact the scheduling of projects. Funding will be subject to the obligation limitation set by the annual appropriations process.

*NHFP is funded by the federal National Highway Performance Program.

CN estimates include CE costs

Surface Transportation Program Off System (STPX), Secondary (STPS), State Funded Construction (SFCN)

Funding shown in thousands of dollars

Project Sponsor	Description	Phase							Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
(Yellowstone River Bridge) UPN 4199003 BBP MDT	Construction of a new bridge over the Yellowstone River	CN	12.9								12.9	0.0	12.9
			Total	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0
Lockwood Interchange UPN 9588 MDT	Interchange Improvement Study RP 450 to 455.3	OT	1,446.8								194.2	1,252.6	1,446.8
			Total	1,446.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194.2	1,252.6
South Billings Blvd UPN MDT	Roadway Striping RP 0 to 1.3	OT	55.3								7.4	47.9	55.3
			Total	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	47.9
Johnson Lane Interchange UPN MDT	Roadway Striping RP 0 to 10.6	OT	10.6								1.4	9.2	10.6
			Total	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	9.2
SF 209 BILLINGS DIST SIGNS UPN 10299 Not all locations inside MPO Boundary MDT	Install safety improvement: signs, delineation, chevrons Various Locations	CN				80.8					10.8	70.0	80.8
			Total	0.0	0.0	0.0	80.8	0.0	0.0	0.0	0.0	10.8	70.0
TOTALS			1,525.6	0.0	0.0	80.8	0.0	0.0	0.0	0.0	226.8	1,379.7	1,606.4

CN estimates include CE costs

Surface Transportation Program Primary (STPP)

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project Costs
			Local	State	Federal							
Sponsor			Pre-2024	2024	2025	2026	2027	2028	13.42%	13.42%	86.58%	
No New Projects		Total										
STPP TOTALS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CN estimates include CE costs

Railroad Crossing (RRS)

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project
			Local	State	Federal							
Sponsor			Pre-2024	2024	2025	2026	2027	2028		10.00%	90.00%	
No New Projects		Total										
TOTALS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CN estimates include CE costs

Highway Safety Improvement Program (HSIP)

Funding is shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project Costs
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal	
Sponsor										10.00%	90.00%	
SAFETY PROJECTS	Various Locations	ALL		500.0	500.0	500.0	500.0	500.0		250.0	2,250.0	2,500.0
<i>MDT</i>		Total		500.0	500.0	500.0	500.0	500.0	0.0	250.0	2,250.0	2,500.0
SF 129 - Rndabout King 56th	Intersection Improvements - Roundabout	PE	923.3							92.3	831.0	923.3
UPN 8052		RW	1,530.0							153.0	1,377.0	1,530.0
		IC	415.1							41.5	373.6	415.1
	ST SEC RTE 532	CN	4,050.1							405.0	3,645.1	4,050.1
<i>MDT</i>	RP 15.4 to 15.7	Total	6,918.6	0.0	0.0	0.0	0.0	0.0	0.0	691.9	6,226.7	6,918.6
SF 169 RIMROCK & 62ND ST W	Intersection Improvements - Roundabout	PE	863.9							86.4	777.5	863.9
UPN 9383		IC	1,175.7	-108.5						106.7	960.5	1,067.2
		CN	8,113.4	-1,412.9						670.1	6,030.5	6,700.6
<i>MDT</i>	U1034 RP 2.4-2.8	Total	10,153.0	-1,521.4	0.0	0.0	0.0	0.0	0.0	863.2	7,768.5	8,631.7
ZOO DRIVE IMPROVEMENTS - BL	Safety Improvements for Traffic Op	PE								0.0	0.0	0.0
UPN 9597		CN			500.0					50.0	450.0	500.0
<i>MDT</i>	Various Locations	Total	0.0	0.0	500.0	0.0	0.0	0.0	0.0	50.0	450.0	500.0
SF189 SOUTH D5 SAFETY IMPRV	Warning signs and flashers	PE	16.9							1.7	15.2	16.9
UPN 9912	Not all locations inside MPO boundary using 10% for costs			170.2						17.0	153.2	170.2
<i>MDT</i>	Various Locations	Total	16.9	170.2	0.0	0.0	0.0	0.0	0.0	18.7	168.4	187.1
SF 209 BILLINGS DIST SIGNS	install safety improvement: signs, delineation, chevrons	PE	44.8							4.5	40.3	44.8
UPN 10299	Not all locations inside MPO Boundary	CN				247.4				24.7	222.7	247.4
<i>MDT</i>	Various Locations	Total	44.8	0.0	0.0	247.4	0.0	0.0	0.0	29.2	263.0	292.2
HSIP Totals			17,133.4	-851.2	1,000.0	747.4	500.0	500.0	0.0	1,903.0	17,126.7	19,029.6

CN estimates include CE costs

Bridge Program

Funding shown in thousands of dollars

Project	Description	Phase	Program Schedule						Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
Sponsor													
BBP-YELLOWSTONE RIVER UPN 4199-003 MDT	New bridge construction Statewide	CN	5,000.0								0.0	0.0	0.0
		Total	5,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	671.0	4,329.0	5,000.0
I-90 Yellowstone River UPN 7972 MDT	RP 2.7 to 3.0	PE	4,833.3								648.6	4,184.6	4,833.3
		CN	63,376.3	35.0							8,509.8	54,901.5	63,411.3
		Total	68,209.6	35.0	0.0	0.0	0.0	0.0	0.0	0.0	9,158.4	59,086.1	68,244.6
BR PRES COLUMBUS JOLIET AV UPN 9552 One project in MPO MDT	Minor bridge rehab Using 33% for costs U-1033 RP 0.9 to 1.1	PE	168.9								22.7	146.3	168.9
		IC									0.0	0.0	0.0
		CN		1,746.3							234.4	1,512.0	1,746.3
		Total	168.9	1,746.3	0.0	0.0	0.0	0.0	0.0	0.0	257.0	1,658.3	1,915.3
SHILOH RD / I-90 BRIDGE - BL UPN 9720 MDT	Bridge rehab U-1031 RO 5.0 to 5.3	PE	309.9								41.6	268.3	309.9
		IC			12.4						1.7	10.7	12.4
		CN				2,858.3					383.6	2,474.7	2,858.3
		Total	309.9	0.0	12.4	2,858.3	0.0	0.0	0.0	0.0	426.8	2,753.8	3,180.6
MONTANA AVE OVERPASS- BIL UPN 9913 MDT	Bridge rehab N113 RP1.82 TO 1.92	PE	43.3								5.8	37.5	43.3
		CN	1,092.3								146.6	945.7	1,092.3
		Total	1,135.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152.4	983.2	1,135.6
BR TOTAL			74,824.1	1,781.3	12.4	2,858.3	0.0	0.0	0.0	0.0	10,665.7	68,810.4	79,476.1

CN estimates include CE costs

Urban Pavement Preservation (UPP)

Funding shown in thousands of dollars

Project	Description	Phase	Program Schedule						Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
Sponsor													
URBAN PAVEMENT PRESERVATION MDT	Various Locations	ALL		500.0	500.0	500.0	500.0	500.0	500.0		13.42%	86.58%	2,500.0
		Total	0.0	500.0	500.0	500.0	500.0	500.0	500.0	0.0	335.5	2,164.5	2,500.0
UPP TOTAL			0.0	500.0	500.0	500.0	500.0	500.0	500.0	0.0	335.5	2,164.5	2,500.0

CN estimates include CE costs

Montana Air and Congestion Initiative (MACI)-Discretionary Program

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project Costs
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal	
Sponsor									13.42%	13.42%	86.58%	
ADA COMPLIANCE		All		500.0	500.0	500.0	500.0	500.0		335.5	2,164.5	2,500.0
<i>MDT</i>	ADA upgrades	Total		500.0	500.0	500.0	500.0	500.0		335.5	2,164.5	2,500.0
TRAFFIC MITIGATION		All		250.0	250.0	250.0	250.0	250.0		167.8	1,082.3	1,250.0
<i>MDT</i>	Signalization	Total		250.0	250.0	250.0	250.0	250.0		167.8	1,082.3	1,250.0
Underpass Ave. Improvements	Intersection Improvements	PE	1,093.6							146.8	946.8	1,093.6
		RW	150.0	-17.4						17.8	114.8	132.6
		IC	452.9							60.8	392.1	452.9
UPN 8669		CN	1,154.4							154.9	999.5	1,154.4
<i>MDT</i>	RP .51 to .72	Total	2,850.9	-17.4	0.0	0.0	0.0	0.0	0.0	380.2	2,453.2	2,833.4
Mossmain Intch-West Blgs Inch	Pavement Preservation	CN	554.4							74.4	480.0	554.4
UPN 9198	Not all locations inside MPO bound	Total	554.4	0.0	0.0	0.0	0.0	0.0	0.0	74.4	480.0	554.4
<i>MDT</i>	I-90 RP 437.12 to 446.7											
ATSPM - MAIN STREET (BILLINGS)	INT UPGRADE/SIGNALS	OT	221.0							29.7	191.4	221.0
UPN 10400										0.0	0.0	0.0
<i>MDT</i>	Various Locations	Total	221.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	191.4	221.0
BILLINGS DISTRICT ADA UPGRAD	ADA upgrades	PE	25.2							3.4	21.8	25.2
	Not all locations inside MPO boundary	CN		200.0						26.8	173.2	200.0
UPN 10431	using 10% for costs	Total	25.2	200.0	0.0	0.0	0.0	0.0	0.0	30.2	195.0	225.2
<i>MDT</i>	Various Locations											
		Total	3,651.5	932.6	750.0	750.0	750.0	750.0	0.0	1,017.8	6,566.3	7,584.1

CN estimates include CE costs

Transportation Alternatives

Funding shown in thousands of dollars

Project	Description	Phase						Funding Source			Total Project Costs	
			Pre-2024	2024	2025	2026	2027	2028	Local	State		Federal
Sponsor												
Carryover				5,945.0	5,797.7	6,587.7	1,936.1	2,726.0				
Estimated Allocation (TA)				790.0	790.0	790.0	790.0	790.0				
STAGECOACH TRAIL - BILLINGS	Shared use path	PE		820.0					110.0		710.0	820.0
UPN 10432		CN				5,285.0			709.2		4,575.8	5,285.0
<i>MDT/Locals</i>	Skyline Trail to Zimmerman Trail	Total	0.0	820.0	0.0	5,285.0	0.0	0.0	819.3	0.0	5,285.7	6,105.0
SIDEWALKS - LOCKWOOD	Sidewalk construction	PE		262.5					35.2		227.3	262.5
UPN 10433		CN				1,000.0			134.2		865.8	1,000.0
<i>MDT/Locals</i>	Old Hardin Road	Total	0.0	262.5	0.0	1,000.0	0.0	0.0	169.4	0.0	1,093.1	1,262.5
TA TOTALS			0.0	1,082.5	0.0	6,285.0	0.0	0.0	988.7	0.0	6,378.8	7,367.5
Federal			0.0	937.2	0.0	5,441.6	0.0	0.0				
Local			0.0	145.3	0.0	843.4	0.0	0.0				
Balance				5,797.7	6,587.7	1,936.1	2,726.0	3,516.0				

CN estimates include CE costs

FWP Recreational Trails Program

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project Costs
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal	
Sponsor												
Rec Trails Program	Trail Construction	All			125.0	125.0	125.0	125.0	100.0		400.0	500.0
<i>Local</i>	Various	Total	0.0	0.0	125.0	125.0	125.0	125.0	100.0	0.0	400.0	500.0
Rose Park Trail, Phase 1	New Trail Construction	PE		25.0					5.0		20.0	25.0
	Local match sourced from cash	CN		100.0					20.0		80.0	100.0
<i>City of Billings/TrailNet</i>	in-kind contributions	Total	125.0	0.0	0.0	0	0	0	25.0	0.0	100.0	125.0
Rose Park Trail, Phase 2	Continuation of Rose Park Trail	PE		25.0					5.0		20.0	25.0
		CN		100.0					20.0		80.0	100.0
<i>City of Billings/TrailNet</i>		Total	0.0	125.0	0.0	0	0	0	25.0	0.0	100.0	125.0
Lillis Park Trail Connect	Trail reconstruction	PE		25.0					5.0		20.0	25.0
		CN		100.0					20.0		80.0	100.0
<i>City of Billings</i>		Total	0.0	125.0	0.0	0	0	0	25.0	0.0	100.0	125.0
Big Ditch Trail Extension	Trail reconstruction	PE		25.0					5.0		20.0	25.0
		CN		100.0					20.0		80.0	100.0
<i>City of Billings</i>		Total	0.0	125.0	0.0	0	0	0	25.0	0.0	100.0	125.0
Total			125.0	375.0	125.0	125.0	125.0	125.0	200.0	0.0	800.0	1,000.0

* pending award

Earmarks

Funding shown in thousands of dollars

Project	Description	Phase							Funding Source			Total Project	
			Pre-2024	2024	2025	2026	2027	2028	Local	State	Federal		
Sponsor													
Billings Bypass	UPN41990	Environmental Impact Statement	PE	14,598.6							1,959.1	12,639.5	14,598.6
		Preliminary Engineering	RW	7,847.0							1,053.1	6,793.9	7,847.0
<i>MDT</i>		Right of Way Acquisition	Total	22,445.6	0.0	0.0	0.0	0.0	0.0	0.0	3,012.2	19,433.4	22,445.6
			Total	22,445.6	0.0	0.0	0.0	0.0	0.0	0.0	3,012.2	19,433.4	22,445.6

CN estimates include CE costs

Federal Transit Administration Section 5307*

Funding shown in thousands of dollars

Project	Description	Phase						Funding Source			Total Estimated Obligation
			2024	2025	2026	2027	2028	Local 20%	State	Federal 80%	
Sponsor											
Carryover			5,107.7	2,500.0	2,500.0	2,500.0	2,500.0				
Allocation (Estimated)(Fed Share)			2,500.0	2,500.0	2,500.0	2,500.0	2,500.0				
Bus & Passenger Amenities/ Equipment											
Supportive Equipment											
Facilities/Amenities											
Security Related Capital (1% minimum)			10.5	31.3	31.3	31.3	31.3	27.1		108.4	135.5
Met Transit		Total	10.5	31.3	31.3	31.3	31.3	27.1		108.4	135.5
Transit Operations***											
Fleet/Facility Preventive Maintenance	80/20 Match		1,557.1	762.5	762.5	762.5	762.5	921.4		3,685.7	4,607.1
ADA Paratransit (20% of apportionment)	80/20 Match		1,461.0	625.0	625.0	625.0	625.0	792.2		3,168.8	3,961.0
Fixed Route	50/50 Match		5,369.8	2,730.0	2,730.0	2,730.0	2,730.0	8,144.9		8,144.9	16,289.8
Met Transit		Total	8,387.8	4,117.5	4,117.5	4,117.5	4,117.5	9,858.5	0.0	14,999.3	24,857.8
Purchase buses											
Replacement Buses											
Expansion Buses											
Met Transit		Total	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
SECTION 5307 TOTALS*			8,398.3	4,148.8	4,148.8	4,148.8	4,148.8	9,885.6	0.0	15,107.7	24,993.3
Federal			5,107.7	2,500.0	2,500.0	2,500.0	2,500.0				
Local			3,290.6	1,648.8	1,648.8	1,648.8	1,648.8				
Ending Balance (Federal)			2,500.0	2,500.0	2,500.0	2,500.0	2,500.0				

Full 5307 apportionment

\$2,500,000

Project 1 - Operating Assistance	FTA Amount	Local	Total	FTA Share	Local Share
ALI 30.09.01 - Up to 50% share Operating Assistance	\$ 1,365,000	\$ 1,365,000	\$ 2,730,000	50.00%	50.00%
ALI 30.09.01 - Up to 50% share Operating Assistance (1% for Security)	\$ 25,000	\$ 6,250	\$ 31,250	80.00%	20.00% * at least 1% of allocation amount
ALI 11.7C.00 - Non Fixed Route ADA Paratransit Service	\$ 500,000	\$ 125,000	\$ 625,000	80.00%	20.00% *up to 20% of total allocation if 3 criteria is met
ALI 11.7A.00 - Preventative Maintenance	610,000	152,500	762,500	80.00%	20.00%
Total P2	\$ 2,500,000	\$ 1,648,750	\$ 4,148,750		

*FTA administered funds are not subject to indirect cost recovery. 5307 funds may be supplemented by Small Transit Intensive Cities (STIC) funds based on transit system performance for the urbanized area (MET).

***Total local funding reflects an overmatch on federal share. Operations Match ratio is 50/50.

Federal Transit Administration Section 5339

Funding shown in thousands of dollars

Project	Description	Phase						Funding Source			Total Estimated Obligation
			2024	2025	2026	2027	2028	Local 20%	State	Federal 80%	
Sponsor											
<i>Carryover</i>			1,011.2	15.4	7.3	351.3	375.2				
<i>Allocation (Estimated)</i>			480.0	480.0	480.0	480.0	480.0				
Rolling Stock	Replacement		688.8	113.0	113.0	226.0					
<i>Met Transit</i>	85/15 match for ADA		688.8	113.0	113.0	226.0	0.0	171.1		969.7	1,140.8
Bus and Bus Technology	Upgrade		182.9								
<i>Met Transit</i>			182.9	0.0	0.0	0.0	0.0	36.6		146.3	182.9
Bus Facilities and Support	Facility items, construction, technology, amenities, support equipment, etc.		750.0	30.0		280.0	250.0				
<i>Met Transit</i>				250.0							
				50.0	50.0	50.0	50.0				
			750.0	330.0	50.0	330.0	300.0	352.0		1,408.0	1,760.0
Bus Facilities Security System	Upgrade		180.0	160.0							
<i>Met Transit</i>			180.0	160.0	0.0	0.0	0.0	68.0		272.0	340.0
Bus, Facilities, and Technology	Upgrade facilities, replace buses, add technology										
<i>Met Transit</i>			0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
SECTION 5339 TOTALS			1,801.7	603.0	163.0	556.0	300.0	627.7	0.0	2,796.0	3,423.7
	Federal		1,475.8	488.1	136.1	456.1	240.0				
	Local		325.9	115.0	27.0	99.9	60.0				
	Balance		15.4	7.3	351.3	375.2	615.2				

PROJECTS

2024	2025	2026	2027	2028
Overage bus diesel/electric	Paratransit Vehicle	Paratransit Vehicle	2 Paratransit Vehicles	
AVL system				
Facility Remodel	Support Vehicle, Bus Wash, Bus Stop Improvements	Bus Stops	Transfer Center Amenities, Bus Stops	Transfer Center Amenities, Bus Stops
Admin Building Security Cameras	Transfer Center Security Cameras			

Federal Transit Administration Section 5339 Discretionary Funding

Project	Description	Phase						Funding Source			Total Estimated Obligation
			2024	2025	2026	2027	2028	Local 15%	State	Federal 85%	
Sponsor											
<i>Carryover</i>			8,397.9								
<i>Allocation</i>	5339b/LowNo		0.0								
Rollingstock	Replace buses		5,400.0								
<i>MET Transit</i>	85/15 match for ADA	Total	5,400.0	0.0	0.0	0.0	0.0	810.0		4,590.0	
Bus and Bus Facilities	Technology		465.0								
<i>MET Transit</i>	Facility Remodel		2,302.0								
	Training		20.1								
	Training Capital		210.8								
	80/20 Rate	Total	2,997.9	0.0	0.0	0.0	0.0	599.6		2,398.3	
SECTION 5339 TOTALS			8,397.9	0.0	0.0	0.0	0.0	1,409.6		6,988.3	8,397.9
	Federal		6,988.3	0.0	0.0	0.0	0.0				
	Local		1,409.6	0.0	0.0	0.0	0.0				
	Balance		0.0	0.0	0.0	0.0	0.0				

PROJECTS

2024	2025	2026	2027	2028
4 Diesel Buses				
4 Electric Buses				
Electric Chargers				
METroplex Remodel				
Bus Simulator & Training				

*Capital 80/20 Match, ADA Capital 85/15 Match

Federal Transit Administration Section 5310

Funding shown in thousands of dollars

Project	Description	Phase						Funding Source			Total Estimated Obligation
			2024	2025	2026	2027	2028	Local 15/20%	State	Federal 85/80%	
Sponsor											
<i>Carryover</i>			0.0	63.5	108.6	153.7	198.8				
<i>Allocation (Estimated)</i>			225.9	225.9	225.9	225.9	225.9				
Paratransit Vehicles	Purchase vehicles (ADA and Cutaway) for MET and other Coordination members as applicable	Purch.	113.0					17.0		96.1	113.0
		Purch.	78.0					11.7		66.3	78.0
<i>Met Transit and Coordination Group</i>			191.0	0.0	0.0	0.0	0.0	28.7		162.4	191.0
Traditional and Non-Traditional Projects	Projects to support identified community needs but may also be used for vehicles	Purch.		226.0	226.0	226.0	226.0	180.8		723.2	904.0
		Purch.						0.0		0.0	0.0
		Purch.						0.0		0.0	0.0
		Purch.						0.0		0.0	0.0
<i>Coordination Members</i>			0.0	226.0	226.0	226.0	226.0	180.8		723.2	904.0
		Purch.						0.0		0.0	0.0
		Purch.						0.0		0.0	0.0
		Purch.						0.0		0.0	0.0
		Purch.						0.0		0.0	0.0
SECTION 5310 TOTALS			191.0	226.0	226.0	226.0	226.0	209.5		885.6	1,095.0
Federal			162.4	180.8	180.8	180.8	180.8				
Local			28.7	45.2	45.2	45.2	45.2				
Balance			63.5	108.6	153.7	198.8	243.9				

Funding dependent on the outcome of a competitive process and funding availability.

PROJECTS

	2024	2025	2026	2027	2028
MET ADA Transit Van					
YCCOA ADA Transit Van					
		Projects determined based on annual Coordination Plan	Projects determined based on annual Coordination Plan	Projects determined based on annual Coordination Plan	Projects determined based on annual Coordination Plan

Transade (State Funded)

Funding shown in thousands of dollars

Project	Description	Phase						State Funded	Total Estimated
			2024	2025	2026	2027	2028	100%	
<i>Carryover</i>			0.0	0.0	0.0	0.0	0.0		
<i>Allocation (Estimated)</i>			348.9	250.0	250.0	250.0	250.0	1,348.9	1,348.9
Transit Operations	Operating		348.9	250.0	250.0	250.0	250.0	1,348.9	
<i>Met Transit</i>			348.9	250.0	250.0	250.0	250.0	1,348.9	1,348.9
STATE TOTALS			0.0	0.0	0.0	0.0	0.0	1,348.9	1,348.9

Public Comment

The MPO will post the draft Transportation Improvement Program (TIP) to the Transportation Resource page of the City of Billings Website. Link to the page is: <https://www.billingsmt.gov/2336/Transportation-Resources> . MPO additionally will post agendas for the Boards, Council and Commission that review and act on the Transportation Improvement Program here: <https://www.billingsmt.gov/117/Agendas-Minutes> . The MPO published a Public Hearing Notice in the Yellowstone County News on January 26 & February 2, 2024 noting that public comment will be received on the Transportation Improvement Plan at the Yellowstone County Planning Board Meeting scheduled for Tuesday, February 27, 2024.

Below is a list of the Public Meetings that allow for public review and comment on the Transportation Improvement Program. Each meeting notes the number of public attending and comments received from any public:

Technical Advisory Committee:	Thursday, February 8, 2024 Attendance at Meeting: TAC Members, Planning Staff Public Comment period
YC Planning Board:	Tuesday, February 27, 2024 Attendance at Meeting: Planning Board members, Planning Staff Public Comment period
Billings City Council:	Monday, March 11, 2024 Attendance at Meeting: City Council Members, Staff Public Comment period
YC Board of Commissioners:	Tuesday, March 12, 2024 Attendance at Meeting: Commissioners, Staff Public Comment period
Policy Coordinating Committee:	March 19, 2024 Attendance at Meeting: PCC Members, Staff, MDT Planning; Public Comment period

Public Participation Plan City of Billings MET Transit and the Billings MPO

The purpose of the City of Billings MET Transit Public Participation Plan is to ensure and improve access to MET's decision-making process for all members of the public including low-income, minority, and other disadvantaged populations. MET endeavors to provide opportunities for the public to assist and provide input on transit projects in regards to social, environmental, and economic impacts to the area's population.

The Public Participation Plan identifies methods for informing and involving the public in the decision making process, including minority and limited-English proficiency (LEP) populations. Methods of informing the public include, but are not limited to, printed material, partner and community outreach, press releases, paid advertising, transit advertising, and the MET website and social media platforms. Methods of involving the public include, but are not limited to, public meetings, public hearings, surveys, Aviation and Transit Commission meetings, public comment cards, and multiple feedback options.

To download a copy of MET's updated (April 2022) Public Participation Plan, insert the link below in your browser

<https://www.ci.billings.mt.us/DocumentCenter/View/46951/2022-Public-Participation-and-Title-VI-Plan>

The Billings Metropolitan Planning Organization's (MPOs) [Public Participation Plan](#) (PPP) is intended to meet the Federal Highway Act of 1973 requirement to provide a cooperative, comprehensive, and continuing transportation planning and decision-making process. The MPO acts as a liaison between local governments, communities, residents, and the State and Federal Departments of Transportation (DOTs). The MPO currently operates under the U.S. DOT's IIJA (Infrastructure Investment and Jobs Act).

The Yellowstone County Planning Board (YCPB) is the designated MPO and oversees transportation planning for the Billings Urban Area. The area encompasses the City of Billings as well as a planning area extending approximately 4.5 miles outside the city limits.

The MPO is committed to the concept that planning is a community-based effort. In support of this, the MPO Public Participation Plan (PPP), defines a process that ensures reasonable opportunity for all interested parties to participate in the planning process.

This PPP serves two main purposes. The first is to provide the public with a guidebook for how and when they can participate in local and regional transportation planning and decision-making. Secondly, it outlines the policies and procedures for public engagement committed by the MPO. It is the intent of the MPO to consistently inform and engage the public throughout the regional planning process from the development of planning policies to the conceptual stages of planning projects through the adoption of formal planning documents.

Certification

The Billings Metropolitan Planning Organization for the Billings, Montana, urbanized area hereby certifies that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- I. 49 USC. Section 5303 and 23 USC. 134 and CFR 450.336;
- II. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- III. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- IV. Section 1101(b) of the FAST Act (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in DOT funded projects;
- V. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- VI. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- VII. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- VIII. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- IX. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Billings, Montana
Metropolitan Planning Organization

Woody Woods, Planning Board President /Date

TIP Reference Sheet by Funding Source

Multiple Funding

4199000 – Billings Bypass – defer to district for discussion on any section of the bypass

Pre-2024 shows actual programmed costs, FY2024 shows what is anticipated to be programmed.

4199002 – Billings Bypass Five Mile Road

CN was finalized in 22

4199003 – Billings Bypass Yellowstone River Bridge

Pre-2024 shows actual programmed costs.

4199007 – Billings Bypass Johnson Lane Interchange

CN will be programmed in FY25

4199005 – Billings Bypass Railroad Overpass

Pre-2024 shows actual programmed costs, FY2024 shows what is anticipated to be programmed

4199008 - Billings Bypass - (Johnson Ln Intch-RR O'pass)

Split from RR O'Pass Unit 005 Authorized CN in 2022.

4199006 – Billings Bypass Johnson Lane Interchange to RR O'pass

Expected programming in FY24

4199004 – Billings Bypass Five Mile Rd to US 87

Expected programming in FY25

7972 – I-90 Yellowstone River Bridges - Reconstruction of Interstate bridges over the Yellowstone River

Small modification in FY24. Project still active.

CMAQ

4199007 – Billings Bypass Johnson Lane Interchange

CN to be programmed in FY25

Added CMAQ Service Operations for MET Transit transfer for operating.

STPU

4199002 – Billings Bypass Five Mile Road

See note above

4199003 - Billings Bypass Yellowstone River Bridge

See note above

4199007 – Billings Bypass Johnson Lane Interchange

See note above

IM

7 projects for durable pavement markings to be done in FY24 from MDT maintenance.

4199007 – Billings Bypass Johnson Lane Interchange

See note under Multiple funded tab

7972 – I-90 Yellowstone River Bridges – bridge replacement

Finalized PE in 2022. Project still active

9198 – Mossmain Interchange West Billings Interchange – pavement preservation

Small modification in FY24.

NH

5 preventative maintenance projects to be done in FY24 from MDT maintenance, including striping and durable pavement markings.

4199000 – Billings Bypass

See note under Multiple funded tab

4199003 – Billings Bypass Yellowstone River Bridge

See note under Multiple funded tab

4199004 – Billings Bypass Five Mile Rd to US 87

See note under Multiple funded tab

4199005 – Billings Bypass Railroad Overpass

See note under Multiple funded tab

4199006 – Billings Bypass Johnson Lane Interchange to RR O'pass

See note under Multiple funded tab

4199007 – Billings Bypass Johnson Lane Interchange

See note under Multiple funded tab

4199008 - Billings Bypass - (Johnson Ln Intch-RR O'pass)

See note under Multiple funded tab

7908 - Exposition Dr. & 1st Ave. N. Blgs - Intersection Improvements

Pre-2024 shows actual programmed costs. CN programmed in FY25.

8669 - Underpass Ave. Improvements - Intersection Improvements

Project still active

NH continued

8718 - Airport Rd. & Main St. – Blgs - Intersection Improvements

Additional PE programmed in FY24. RW and IC will be programmed in FY26, CN will be programmed in FY27.

9022 - 1st Ave. N - N 9th to RR Xing – reconstruction of roadway

Pre-2024 shows actual programmed costs. RW will be programmed in FY26, IC in FY27, CN in FY28.

9557 - Zoo Drive Improvements - Intersection Improvements

CN will be programmed in FY25

9880 - 1st Ave. N - RR Xing to Broadway – reconstruction of roadway

RW and IC will be programmed in FY25, CN will be programmed in FY26

9881 - 1st Ave. N - Broadway to Division – reconstruction of roadway

RW and IC will be programmed in FY25, CN will be programmed in FY26

NHFP

4199007 – Billings Bypass Johnson Lane Interchange

See note under Multiple funded tab

7972 – I-90 Yellowstone River Bridges – reconstruction of interstate bridges

See note under Multiple funded tab

STPS-STPX-SFCN

MDT Maintenance section has two striping projects

4199003 – Billings Bypass Yellowstone River Bridge

See note in multiple funded tab

9588 – Lockwood Interchange – interchange improvement study

Project still active

10299 - SF 209 BILLINGS DIST SIGNS – safety improvement and signage

CN will be programmed in FY26. Not all locations inside the MPO boundary

RRS

HSIP

8052 - SF 129 - Rndabout King 56th – intersection improvements and roundabout

Active project, left in TIP.

9383 - SF 169 RIMROCK & 62ND ST W – intersection improvements and roundabout

CN was authorized in FY23 and awarded in FY24 for less, funds were returned

9597 - ZOO DRIVE IMPROVEMENTS – BLGS - Safety Improvements for Traffic Operations

CN will be programmed in FY25

9912 - SF189 SOUTH D5 SAFETY IMPRV – warning signs and flashers

CN will be programmed in FY24. Not all locations inside the MPO boundary, using 10% of costs

10299 - SF 209 BILLINGS DIST SIGNS – safety improvement and signage

CN will be programmed in FY26. Not all locations inside the MPO boundary

BR

7972 – I-90 Yellowstone River Bridges – new bridge construction

See note under multiple funded tab

9552 - Bridge Preservation Columbus Joliet Area – minor bridge rehab

One bridge project located inside MPO boundary, CN programmed in FY24. Using 33% for costs

9720 - SHILOH RD / I-90 BRIDGE – BLGS – bridge rehab

IC will be programmed in FY25, CN will be programmed in FY26.

9913 - MONTANA AVE OVERPASS- BILLINGS – bridge rehab

Active project, still in TIP

UPP

Placemark for any future projects

MACI

8669 - Underpass Ave. Improvements - Intersection Improvements

Funding was authorized pre 2024 and RW was finalized and returned funds in FY24.

9198 – Mossmain Interchange – pavement preservation

Small portion of MACI under CN, project still active

10400 - ATSPM - MAIN STREET (BILLINGS) – INT upgrades and signals

Active project

10431 – BILLINGS DISTRICT ADA UPGRADES – ADA upgrades

Not all in the MPO boundary. CN will be programmed in FY24, using 10% for costs

TA Transportation Alternatives

Showing the new allocation with beginning balance of carryover.

10432 – STAGECOACH TRAIL – BILLINGS – shared path

PE will be programmed on FY24, CN will be programmed in FY26

10433 – SIDEWALKS – LOCKWOOD – sidewalk construction

PE will be programmed in FY24, CN will be programmed in FY26

Earmark

4199000 – Billings Bypass

See note under multiple funded tab

Transit

5307 Formula – Updated estimated apportionments in FY24-28 with match breakdown between fixed route, ADA paratransit, preventative maintenance, and security projects.

5339 Formula- Updated the estimated allocations for FY24-28. Rolling stock allocation section updated for FY24-27. Bus and Bus Technology allocation and project descriptions updated for FY24. Bus Facilities and Support allocations and project descriptions updated for FY24-28. Bus Facilities Security System allocation and description updated for FY24-25.

5339 Competitive Funding – All projects obligated, and notations complete for FY24.

FTA Section 5310 – Allocation and awards updated for Paratransit Vehicles for FY24. Estimated allocations added for FY25-28.

TRANSADE (STATE FUNDED) – Allocations updated for Transit Operations FY24 and estimated allocations for FY25-28.

Acronyms

BR	Bridge Replacement and Rehabilitation Program
CMAQ	Congestion Mitigation and Air Quality
CN	Construction
CO	Carbon Monoxide
EARMARK	Congressionally Directed Funds
EPA	Environmental Protection Agency
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY/FFY	Fiscal Year/Federal Fiscal Year. The local and state government fiscal year runs from July 1 - June 30. The Federal fiscal year runs from October 1 – September 30
HSIP	Highway Safety Improvement Program
IC	Incidental Construction
IIJA	Infrastructure Investment and Jobs Act
IM	Interstate Maintenance, IM is a state sub-allocated program funded by the federal National Highway Performance Program
MACI	Montana Air and Congestion Initiative
MAP-21	Moving Ahead for Progress in the 21st Century Act
MDT	Montana Department of Transportation
MPO	Metropolitan Planning Organization. The Yellowstone County Board of Planning is the MPO for the Billings Urban area.
NAAQS	National Ambient Air Quality Standards
NH	National Highway System, NH is a state sub-allocated program funded by the federal National Highway Performance Program
NHPB	National Highway System Bridge Program
PCC	Policy Coordinating Committee. Together with the TAC, the transportation planning organization for Federal aid projects in the Billings urbanized area.
PE	Preliminary Engineering
PM₁₀	A federal standard for particulate (10 microns or less in size), i.e., road dust, brake lining and/or wood smoke particles.
PM_{2.5}	A federal standard for particulate (2.5 microns or less in size), i.e., road dust, brake lining and/or wood smoke particles.
ROW	Right of Way
RP	Road Reference Post
RRS	Railroad Crossing
SFCN	State Funded Construction
SRTS	Safe Routes to Schools
SIP	State Implementation Plan. A plan for improving air quality in the State, including the Billings area.
STIP	State Transportation Improvement Program
STPB	Surface Transportation Program Bridge
STPE	Surface Transportation Program Enhancements
STPP	Surface Transportation Program Primary
STPU	Surface Transportation Program Urban
STPX	Surface Transportation Program Off-System
TA	Transportation Alternatives
TAC	Technical Advisory Committee
TIP	Transportation Improvement Program. A multi-year program of highway and transit projects on the Federal aid system, which addresses the goals of the long-range plans and lists priority projects and activities for the region.
TSP	Total Suspended Particulate
UPP	Urban Pavement Preservation

Transportation Advisory Committee (TAC)

6. a.

Meeting Date: 02/08/2024

Subject

Montana Green House Gas Performance Measures (GHG) Presentation

Attachments

MT GHG Performance Target



MDT – MPOs

GHG Performance Measure

January 2023



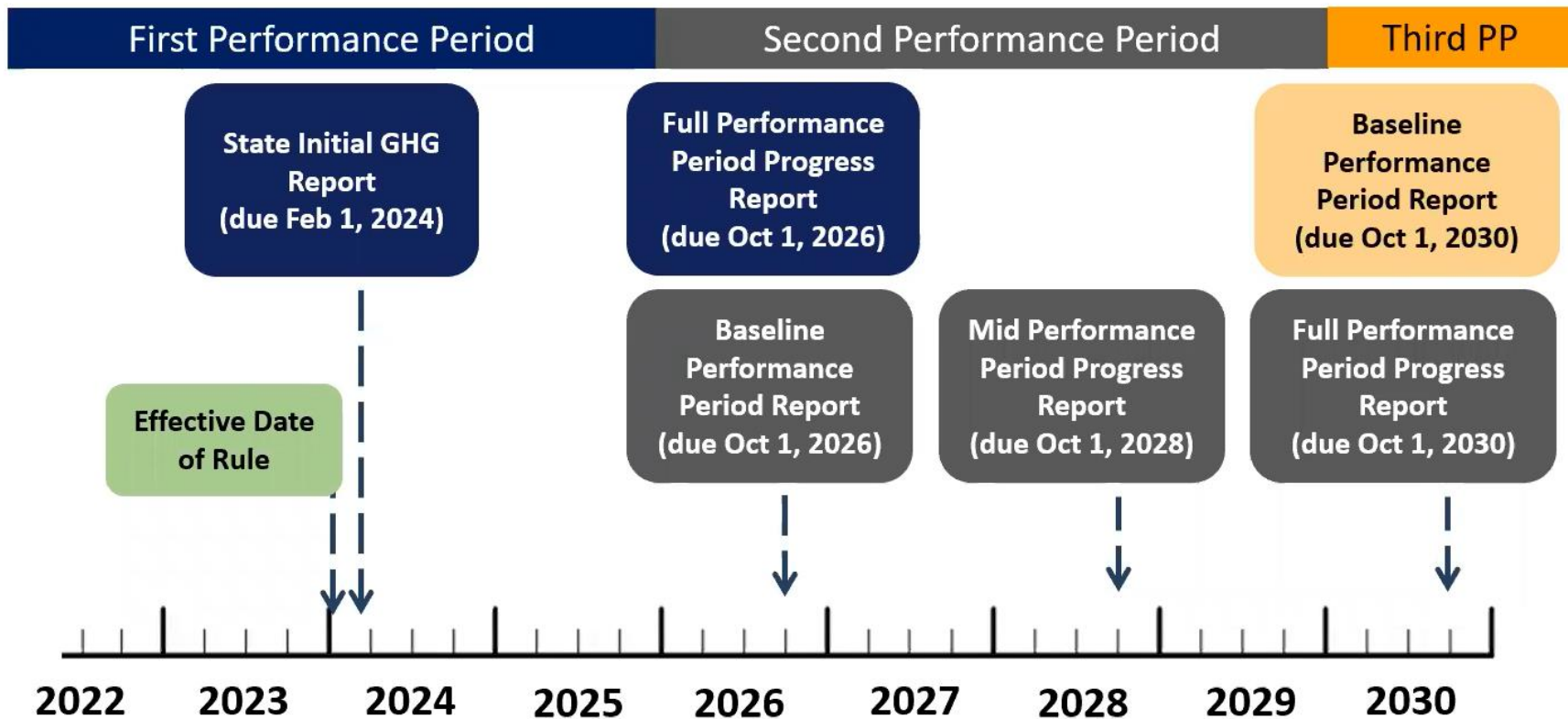
MONTANA

Department of Transportation

Transportation Performance Management (TPM) Performance Measure - Overview

Performance Area	Performance Measure
Safety	<ul style="list-style-type: none"> • Number of fatalities. • Rate of fatalities per 100 million vehicle miles traveled (VMT). • Number of serious injuries. • Rate of serious injuries per 100 million vehicle miles traveled. • Number of non-motorized fatalities and non-motorized serious injuries.
Pavement Condition	<ul style="list-style-type: none"> • Percentage of pavements of the Interstate System in Good condition. • Percentage of pavements of the Interstate System in Poor condition. • Percentage of pavements of the non-Interstate National Highway System (NHS) in Good condition. • Percentage of pavements of the non-Interstate NHS in Poor condition.
Bridge Condition	<ul style="list-style-type: none"> • Percentage of NHS bridges classified as in Good condition. • Percentage of NHS bridges classified as in Poor condition.
System Performance	<ul style="list-style-type: none"> • Percent of person-miles traveled on the Interstate that are reliable. • Percent of person-miles traveled on the non-Interstate NHS that are reliable. • NEW: Percent change in tailpipe carbon dioxide (CO₂) emissions on the NHS compared to the reference year (calendar year 2022).
Freight Movement	<ul style="list-style-type: none"> • Truck Travel Time Reliability (TTTR) Index.
Traffic Congestion	<ul style="list-style-type: none"> • Annual Hours of Peak Hour Excessive Delay (PHED) Per Capita. • Percent of Non-Single Occupancy Vehicle (SOV) Travel.
On-Road Mobile Source Emissions	<ul style="list-style-type: none"> • Total Emission Reductions for applicable criteria pollutants.

State Performance Reporting Requirements



This does NOT apply to or affect any other performance measure and reporting in place, only GHG

GHG Target Requirements

Responsible	Action
MDT	<ul style="list-style-type: none">• Establish declining 2-year (begin in 2026) & 4-year statewide target
MPOs	<ul style="list-style-type: none">• Establish declining 4-year target for the metropolitan planning area (MPA)• Option to commit to support established statewide targets or establish a unique quantifiable target.

Currently, there are no financial penalties for failing to achieve declining targets

Considerations and Challenges

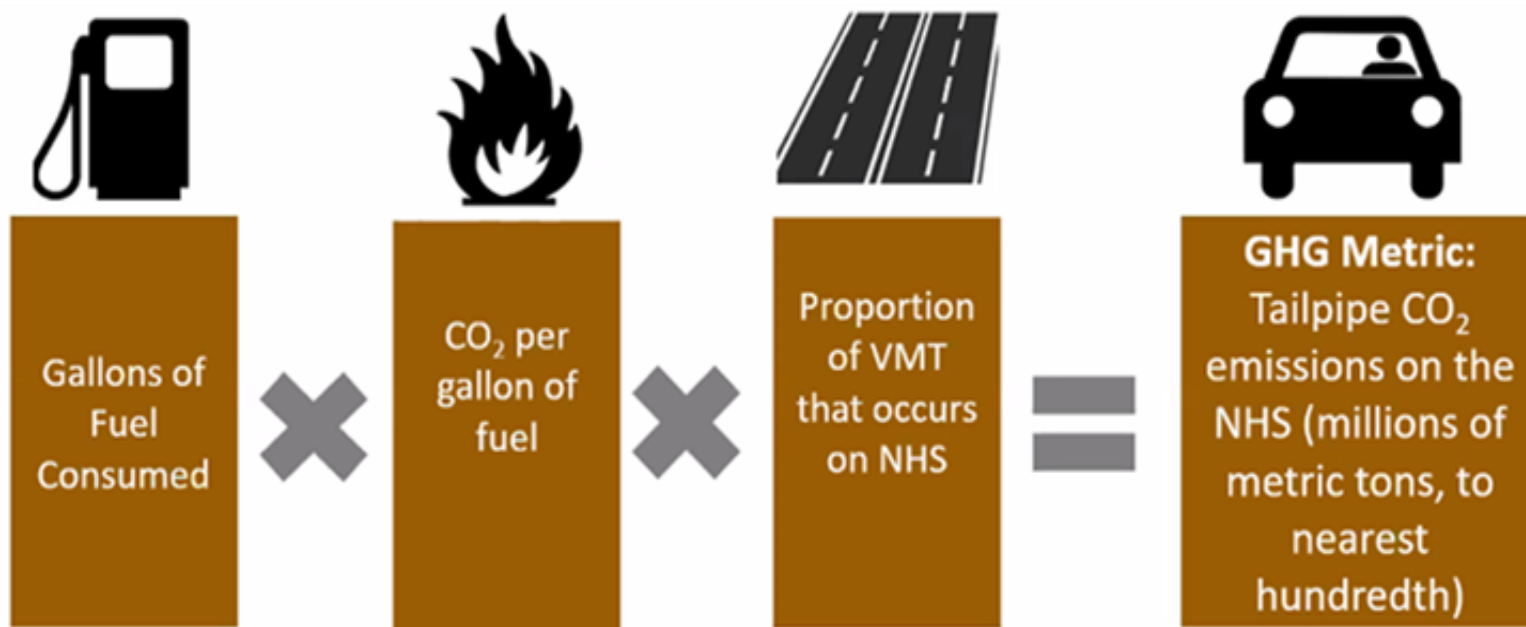
- Large rural state with long distances between population centers
- Rapid population growth
- Local land use decisions
- Harsh climate and terrain
- MDT's limited ability to influence
- Economic growth, tourism, lack of alternative transportation options
- Fleet mix and vehicle turnover rate
- The purpose of the NHS to serve the efficient movement of people and freight, supporting nationwide defense and commerce

GHG Metric and Measure

GHG Metric	Purpose
Annual total tailpipe CO₂ emissions on the NHS	Metric used to calculate measure
GHG Measure	Purpose
Percent change in tailpipe CO₂ emissions on the NHS compared to the reference year (Calendar Year 2022)	MDT and MPOs report on progress towards established targets

Calculating GHG Metric

Annual Tailpipe CO₂ Emissions on the NHS



- Simple calculation.
- Data readily available from all states and already reported.
- Nationally consistent for States.
- Proportion of VMT on NHS is proxy for proportion of CO₂ on NHS.
- MPOs may use other methods to calculate the metric.

Calculating GHG Metric – CY 2022

Annual Tailpipe CO₂ Emissions on the NHS

$$(\text{Tailpipe CO}_2 \text{ Emissions on NHS})_{\text{CY}} = \left(\sum_{t=1}^T (\text{Fuel Consumed})_t \times (\text{CO}_2 \text{ Factor})_t \right) \times \left(\frac{\text{NHS VMT}}{\text{Total VMT}} \right)$$

Gasoline & Gasohol Fuel Calculations

$$\text{Tailpipe CO}_2 \text{ Emissions on NHS} = (491,008 \times .00000810) \times \frac{7.275}{13.514}$$

$$2.14 \text{ mmt} = 3.9771648 \times 0.5383306$$

Special Fuel Calculations

$$\text{Tailpipe CO}_2 \text{ Emissions on NHS} = (300,403 \times .00001019) \times \frac{7.275}{13.514}$$

$$1.65 \text{ mmt} = 3.0611066 \times 0.5383306$$

TOTAL CY 2022 Annual Tailpipe Emissions = 3.79 mmt

$$3.79 \text{ mmt} = 2.14 + 1.65$$

Calculating GHG Measure

§490.513(d)

The diagram illustrates the calculation of the percentage change in tailpipe CO₂ emissions on the NHS. It features a large grey bracket on the left side of the equation. Inside the bracket, the numerator consists of two boxes: an orange box on the left containing 'Tailpipe CO₂ Emissions on NHS_{analysis year}' and a blue box on the right containing 'Tailpipe CO₂ Emissions on NHS_{CY 2022}'. A horizontal line is drawn below these two boxes. Below the line is a single blue box containing 'Tailpipe CO₂ Emissions on NHS_{CY 2022}'. To the right of the bracketed fraction is the text 'x 100' followed by an equals sign.

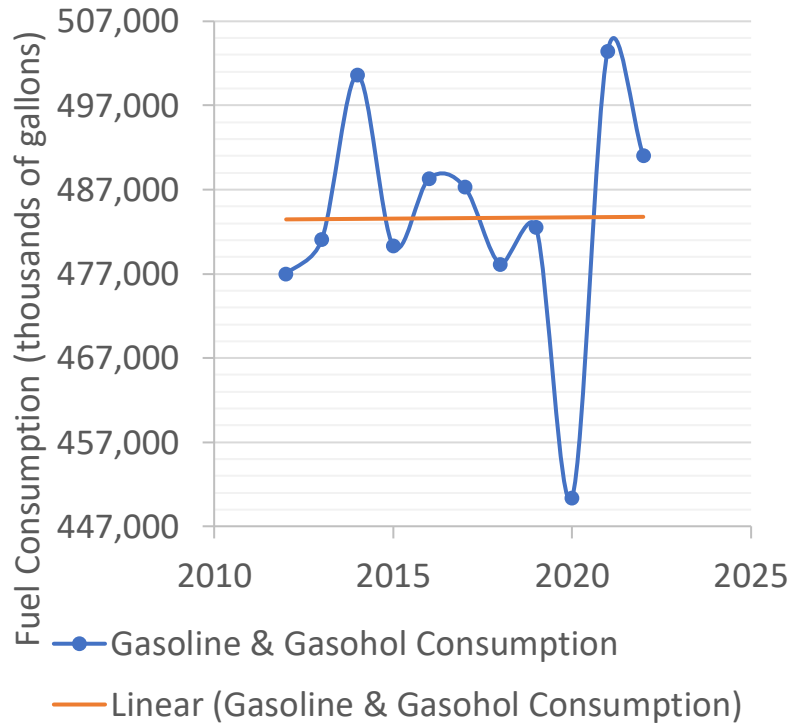
$$\left(\frac{\text{Tailpipe CO}_2 \text{ Emissions on NHS}_{\text{analysis year}} - \text{Tailpipe CO}_2 \text{ Emissions on NHS}_{\text{CY 2022}}}{\text{Tailpipe CO}_2 \text{ Emissions on NHS}_{\text{CY 2022}}} \right) \times 100 =$$

**% change in tailpipe CO₂ emissions on the NHS
compared to CY 2022**

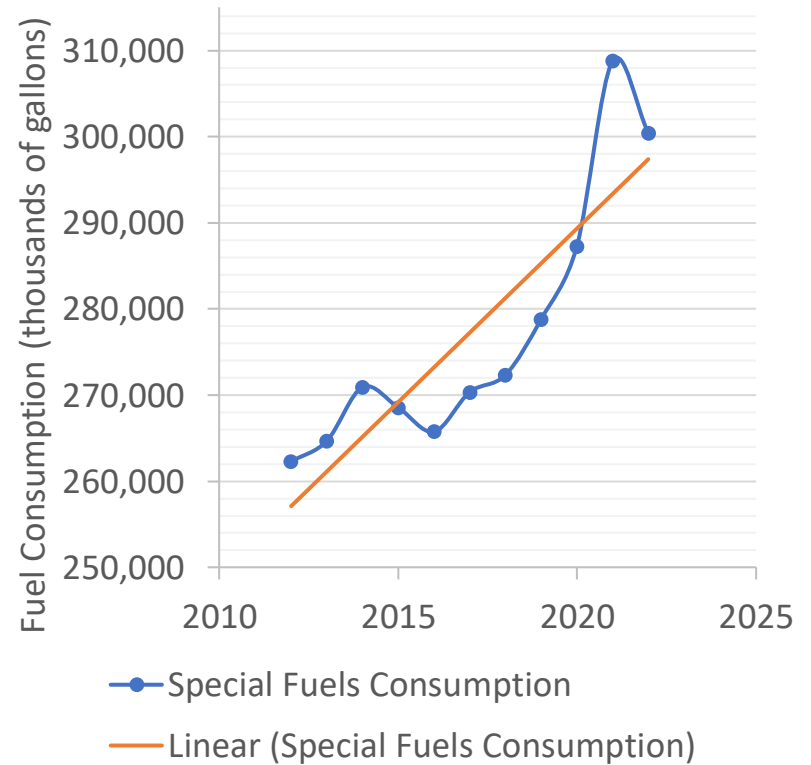
$$\frac{(\text{Tailpipe CO}_2 \text{ Emissions on NHS})_{\text{CY}} - (\text{Tailpipe CO}_2 \text{ Emissions on NHS})_{\text{reference year}}}{(\text{Tailpipe CO}_2 \text{ Emissions on NHS})_{\text{reference year}}} \times 100$$

Fuel Consumption

Montana Annual Gasoline & Gasohol Consumption CY 2012-2022

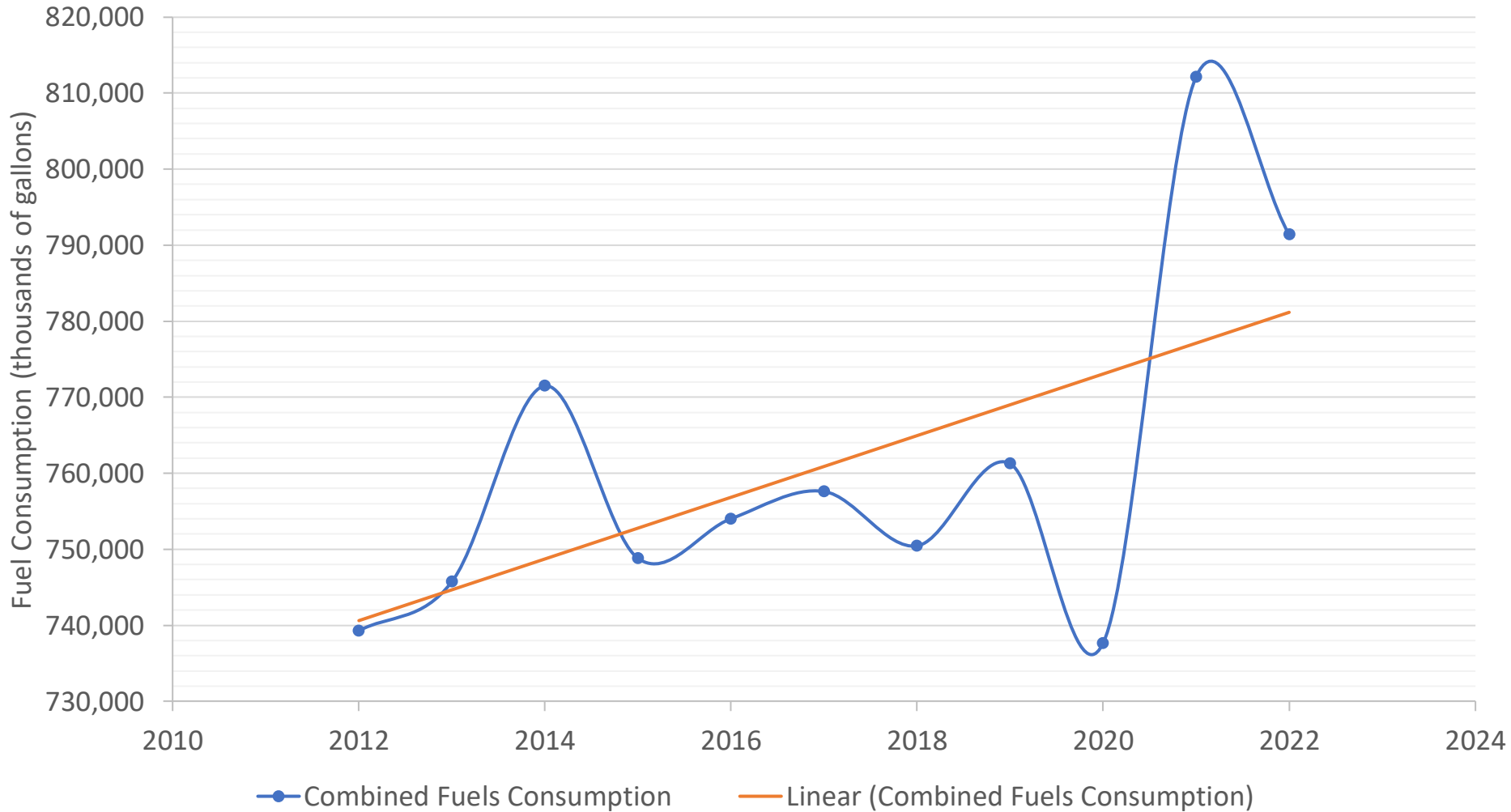


Montana Annual Special Fuels Consumption CY 2012-2022



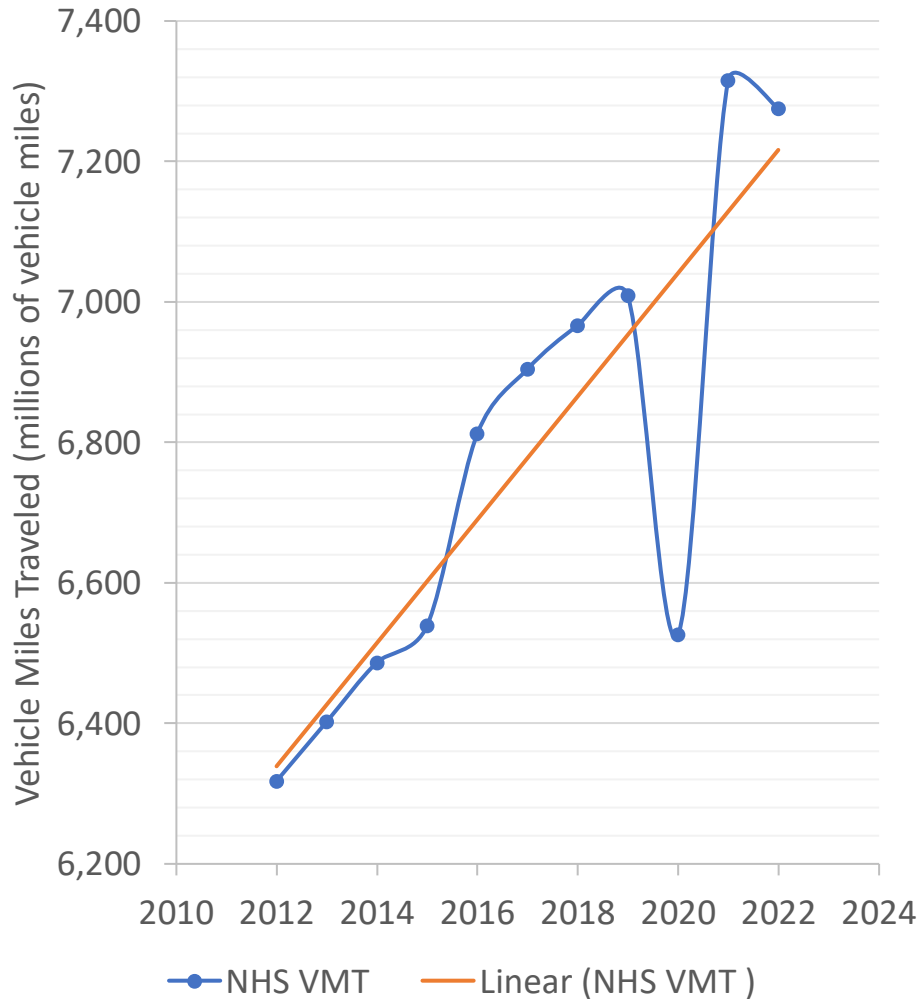
Fuel Consumption

Montana Annual Combined Fuels Consumption CY 2012-2022

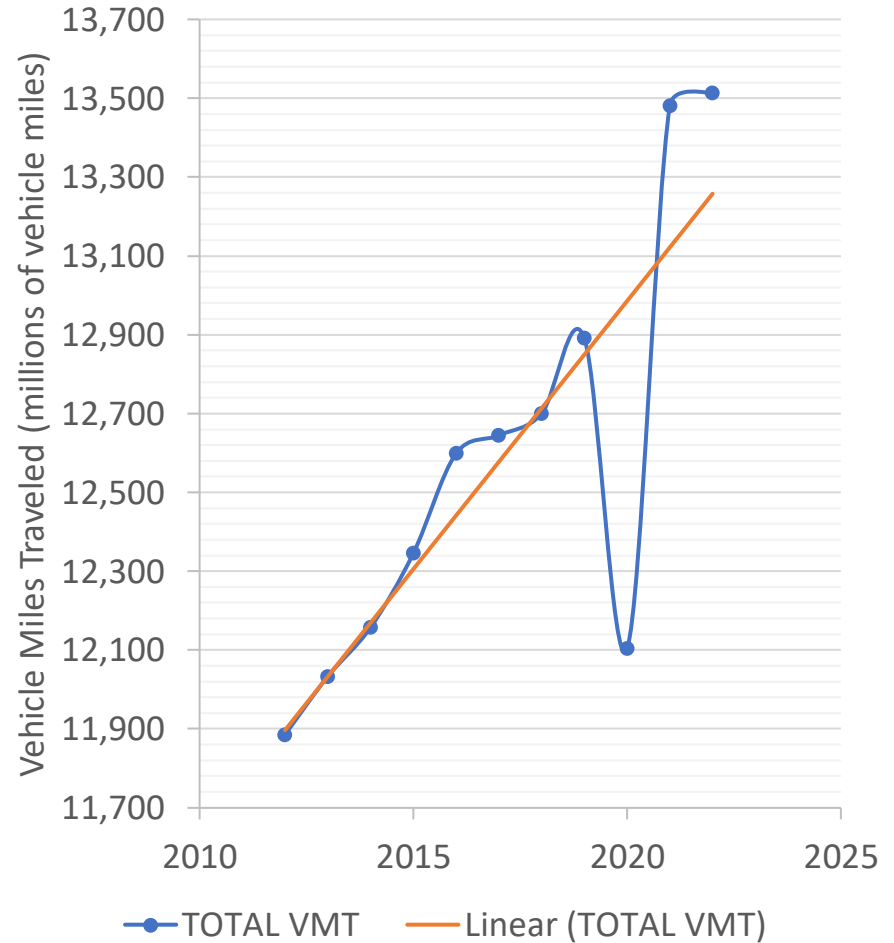


VMT

Montana Annual NHS VMT CY 2012-2022

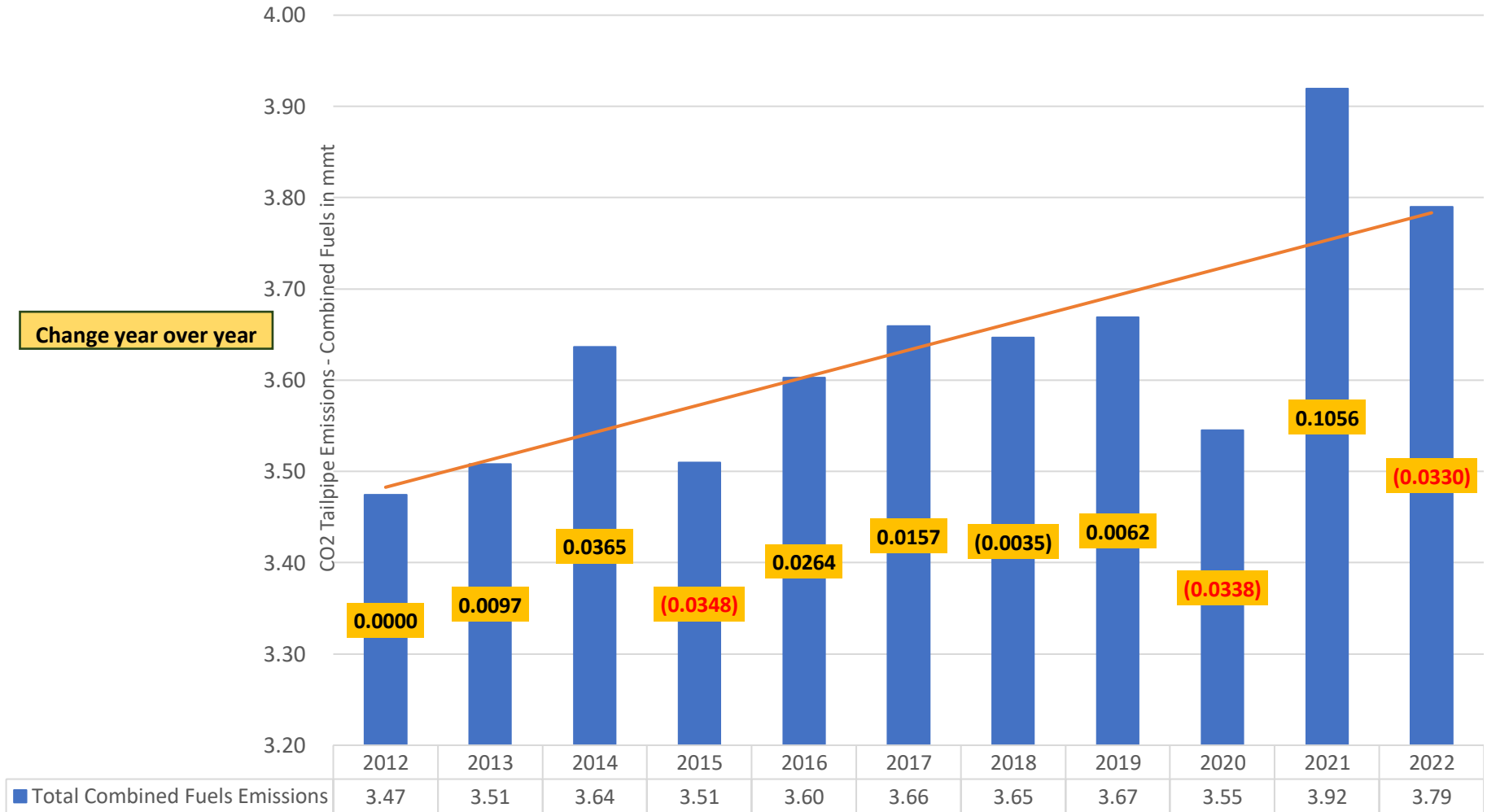


Montana Annual Total VMT CY 2012-2022



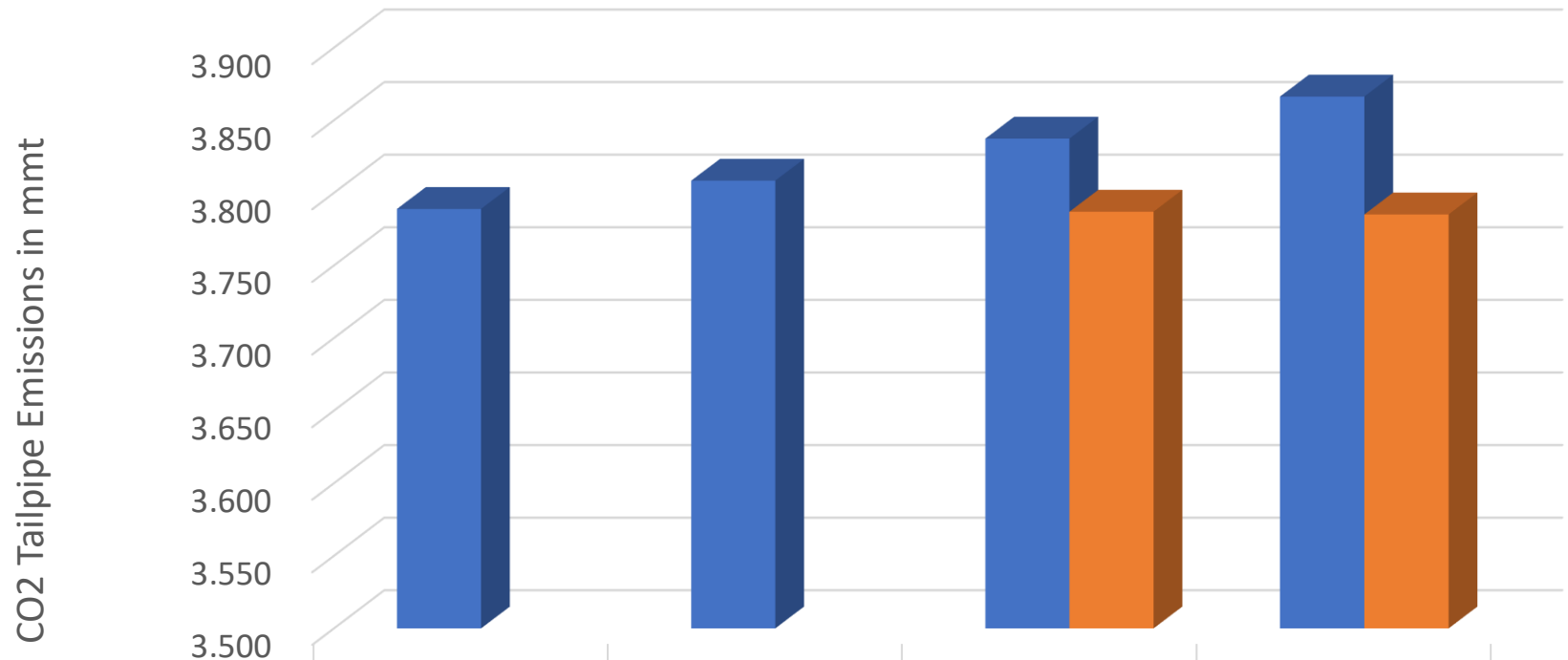
Emissions

Montana Annual CO₂ Tailpipe Emissions Combined Fuels on NHS CY 2012-2022



Initial Performance Target

Montana Annual CO₂ Tailpipe Emissions on the NHS
2022 Actual /2023-25 Projection vs. Performance target reduction
(-0.1%)



■ CO2 Tailpipe Emissions
■ Emissions to achieve target

3.789

3.808

3.837

3.866

3.787

3.785

Achieving The GHG Target

	% of Urban NHS VMT (2022)	Projected 2025 VMT Reduction (in millions of vehicle miles)
Billings	17.83%	27.90
Great Falls	9.67%	15.14
Missoula	20.35%	31.85
Anaconda	0.00%	0.00
Belgrade	4.42%	6.91
Bozeman	8.87%	13.88
Butte	5.13%	8.03
Columbia Falls	2.29%	3.58
Glendive	1.55%	2.42
Hamilton	1.56%	2.45
Havre	0.92%	1.44
Helena	6.50%	10.17
Kalispell	9.70%	15.18
Laurel	5.13%	8.02
Lewistown	0.72%	1.12
Livingston	1.60%	2.50
Miles City	1.06%	1.66
Sidney	0.84%	1.31
Whitefish	1.88%	2.94
TOTAL	100.00%	156.49

Location	Corridor Length (miles)	2022 WAADT	2022 VMT (miles)	2022 VMT Reduction (-2.82%)
Missoula - Reserve St	5.372	32,328	173,666	-4,889
Billings - King Ave W	3.202	26,334	84,321	-2,374
Great Falls - 10th Ave	8.363	19,969	167,000	-4,701

Strategies for Reducing CO₂ in Montana

Table 15: Summary of Strategies

Strategy		Maximum Potential Effectiveness	Potential CO ₂ Reduction (MT)
TDM	Land Use Development Patterns	Medium	2,400 – 1.7M
	Work Trip Efficiency	Low-Medium	29,000 – 95,000
	Freight Trip Efficiency	Low	260 – 36,000
Mode Choice	Active Transportation and Micromobility	Low-Medium	16,000 – 314,000
	Public Transportation and Passenger Rail	Low	1,600 – 200,000
	Shared Rides	Low-Medium	24,000 – 3.7M
Vehicles	Vehicle Alternatives	Medium-High	10,000 – 3.4M
Parking	Parking	Low	7,000 – 46,000
TSMO	Management Techniques and Technology Solutions	Low-Medium	500 – 603,000
	Intersection Design	Low-Medium	15,000 – 104,000
Energy	Electric Infrastructure Upgrades	Low	Unknown
	Alternative Uses of Highway ROW	Medium	Unknown
Construction/ Maintenance	Pavement Preservation	Low	Unknown
	Construction Materials	Low	Unknown
	Construction Practices	Low	Unknown
	Construction and Maintenance Equipment Alternatives	Low	Unknown
	Maintenance Practices and Technologies	Low	Unknown

Montana's Statewide GHG Target

- Statewide Target
 - -0.10% less than 2022 NHS tailpipe CO2 emissions
- **4-year GHG On-Road Tailpipe Emissions Reduction Target = 2025 CO2 emissions \leq 3.785 mmt**
- Present efforts by the State
 - Identifying alternative target
 - State of Montana has joined a multistate lawsuit regarding the GHG performance rule
- Questions and Discussion
 - Efforts / Goals of the MPOs

